Product manual

Motorized hose reels

MHR

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PLYMOVENT®

Thank you for buying this PlymoVent product. Before you take it out of its box and start to use it, please read this product manual and follow the instructions carefully.

THIS MANUAL SHOULD BE HANDED OVER AND KEPT
BY THE SERVICE DEPARTMENT AFTER THE INSTALLATION!

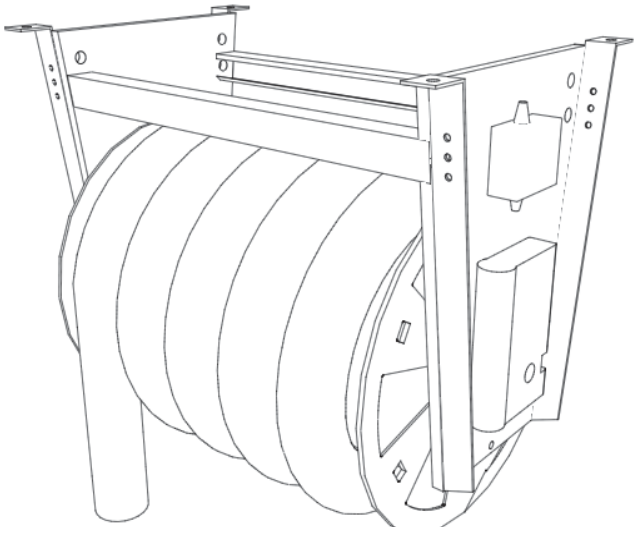
CE

PLYMOVENT®	TECHNICAL DESCRIPTION	BSAB no: T3.1 Ser .no: MHR Date: Oct.-99 Replace:
MHR-650, MHR-850, MHR-1050		

Motorized hose reel

TO ACHIEVE OPTIMUM PERFORMANCE AND SAFETY, PLEASE READ THIS MANUAL CAREFULLY BEFORE USING THE PRODUCT!

Exhaust reels from PlymoVent are controlling exhaust gas fumes and prevent extraction hoses from trailing over the workshop floor. The exhaust reels take up a small space and can be mounted to the ceiling or on a wall. A flexible and economic solution for work-shops with fixed working areas. The power operated exhaust reel is an excellent solution at great ceiling heights and can be mounted high enough to allow a crane passing below it. The reels are available for different hose sizes and can often service more than one work place.



Note!
Hose and nozzle must be ordered separately.

Advantages

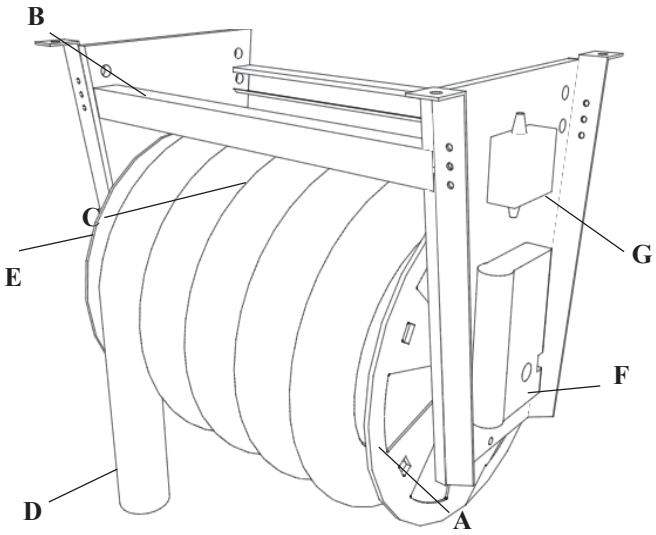
- No extraction hoses trailing over the workshop floor.
- Needs minimum space – handles large working area.
- Very long life span under normal running conditions.
- Great energy savings by accessories for automatic damper control.
- A limit switch will reel the hose out or in to a pre-set position. Quick and easy.

Delivery

The motorized hose reel is delivered complete with a ceiling or wall mounting bracket and a motor with limit switches. There are two alternatives; either with a fan (FUA-1301 or FUA-2101) or with Ø 160 mm (6") stos for connection with a central exhaust system. Hose and nozzle must be ordered separately.

NOTE: PRODUCT LIABILITY BY PLYMOVENT IS ONLY APPLICABLE IF THE EQUIPMENT HAS NOT BEEN ALTERED OR ADDED TO, OTHER THAN WITH THE WRITTEN CONSENT OF PLYMOVENT AB.

Construction



Motorized hose reel:

With or without fan.

A. Zinc coated drum with attached end plates of lacquered metal sheet.
B. Stand made of profiled, zink plated metal sheet.
C. Hose guide, which controls the hose in its first revolution.
D. Hose. 7.5, 10 or 12,5 m (25´, 33´, 41´)flexible hose in diameters
Ø 100, 125, 150 mm (4", 5", 6"). Temperature resistant from 150 to 650°C continuously.
Note! hose must be ordered separately.
E. Adapter Ø 160 mm (6") to fan or central exhaust system.
F. Motor.
G. Control box

The motor is not designed for constant operation. If used for constant operation, built in thermal overload relay will release.Operation will automatically restart when motor temperature decrease.

Technical data/Safety Information

Technical data:

There are three different motors and three sizes of the hose reels available. All with or without fan. The maximum length of the hose depends on the weight as well as the installation. Below are some examples;

	Max hose length (lifting cap.see table below) MHR-xxx 120/60	MHR-xxx 230/50 and 220/60
Hose EH-150; Weight 1,4 kg/m (0,0782 lbs/in). Rubber nozzle REGD-150-160; Weight 2,3 kg (5 lbs).	9 m/29,5 feet	12,5 m/41 feet
Hose EH-150; Weight 1,4 kg/m (0,0782 lbs/in). Grabber GN-150-160; Weight 3,2 kg (7 lbs).	8,4 m/27,5 feet	12,5 m/41 feet
Hose ET-150; Weight 2,2 kg/m (0,12 lbs/in). Metal nozzle REGD-150-160; Weight 2,5 kg (5,5 lbs).	5,7 m/18,7 feet	9,3 m/30 feet

Technical data motorized hose reel
(Complete with ceiling/wall mounting and motor. Without hose and nozzle).

Prod. no.	Power supply (V)	Frequ-ency (Hz)	Motor output (kW)	Motor current (A)	Revs/ min	Weight* MHR (kg/lbs)	Weight* MHR-xx (kg/lbs)	Lifting capacity kg/lbs
MHR-650 230	50	0,44	2	12	46/101	59/130**	23/50	
MHR-850 230	50	0,44	2	12	51/112	67/147**	23/50	
MHR-1050	230	50	0,44	2	12	56/123	72/158***	23/50
MHR-650	120	60	0,32	2,8	14	46/101		15/33
MHR-850	120	60	0,32	2,8	14	51/112		15/33
MHR-1050	120	60	0,32	2,8	14	56/123		15/33
MHR-650	220	60	0,32	1,5	6	46/101		23/50
MHR-850	220	60	0,32	1,5	6	51/112		23/50
MHR-1050	220	60	0,32	1,5	6	56/123		23/50

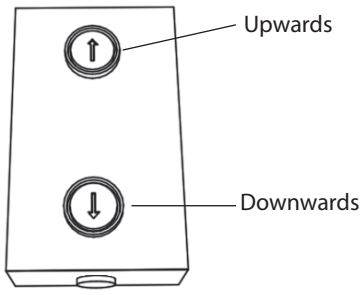
*Without hose and nozzle
**With FUA-1300
***With FUA-2100

Safety Information:

To ensure maximum safety exhaust reels operated by control panel are constructed so that a button for unrolling and rolling up of the hose has to be depressed until required position is reached.

BE CAREFUL WHEN OPERATING THE HOSE REEL SO AS TO AVOID DAMAGE TO PERSONS AND PROPERTY!

Operation of hose reels via wall mounted control panel:



Pressure Loss Calculation

Pressure Loss Calculation

The fall of pressure in a air duct system or in a hose is mainly determined by the air velocity in that system. The higher the velocity is, the higher the pressure loss will be. And the higher the pressure loss is, the less air the fan will extract. The diagram 2 Pressure loss chart for fans is pointing out a suitable fan regarding the relationship be-tween airflow (m^3/h) and pressure loss (Pa). In a ventilation system with many extraction devices and long suction ducts the pressure loss can be kept down by in-creasing the size of the ducting and you will achieve an even velocity in the whole system. See Diagram 3 and 4.

Recommended values Airflow:
Cars 360 m^3/h. (211 cfm.)
Lorries 1080 m^3/h. (635 cfm.)

Air velocity in ducting: 10-15 m/s.

Hose dimension:
Ø75 mm (3") at airflow < 270 m^3/h (159 cfm.)
Ø100 mm (4") at airflow < 540 m^3/h (318 cfm.)
Ø125 mm (5") at airflow < 810 m^3/h (476 cfm.)
Ø150 mm (6") at airflow < 1080 m^3/h (635 cfm.)

Pressure loss in exhaust reels

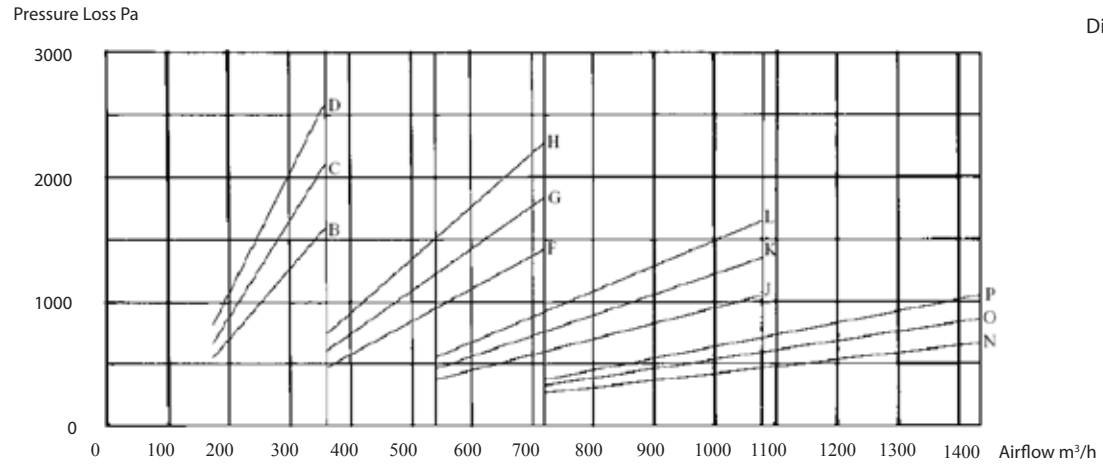


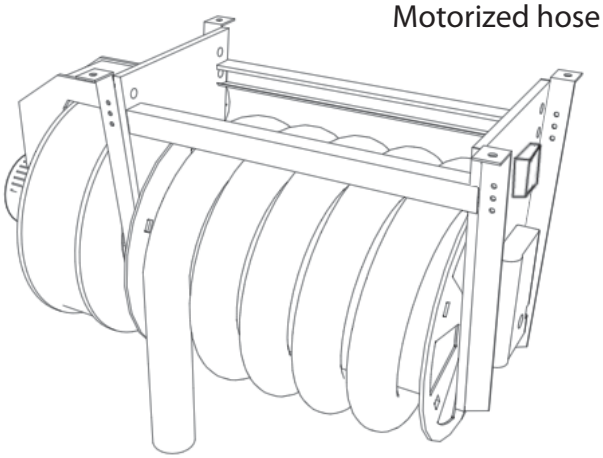
Diagram 1

Diagram 1 shows the pressure loss in the hose reels at different airflows. Read the diagram at the recommended airflows;
Cars 360 m^3/h. (211 cfm.)
Lorries 1080 m^3/h. (635 cfm.)

The curves show these combinations of hose reel/hose diameter/hose length*:
B. Ø 75 mm,(3") lenght 7.5 m.(24,7 ft)
C. Ø 75 mm,(3") lenght 10 m. (32,8 ft)
D. Ø 75 mm,(3") lenght 12.5 m. (41,1 ft)
F. Ø 100 mm,(4") lenght 7.5 m. (24,7 ft)
G. Ø 100 mm,(4") lenght 10 m. (32,8 ft)
H. Ø 100 mm,(4") lenght 12.5 m. (41,1 ft)
J. Ø 125 mm,(5") lenght 7.5 m. (24,8 ft)
K. Ø 125 mm,(5") lenght 10 m. (32,8 ft)
L. Ø 125 mm,(5") lenght 12.5 m. (41,1 ft)
N. Ø 150 mm,(6") lenght 7.5 m. (24,7 ft)
O. Ø 150 mm,(6") lenght 10 m. (32,8 ft)
P. Ø 150 mm,(6") lenght 12.5 m.(41,1 ft)

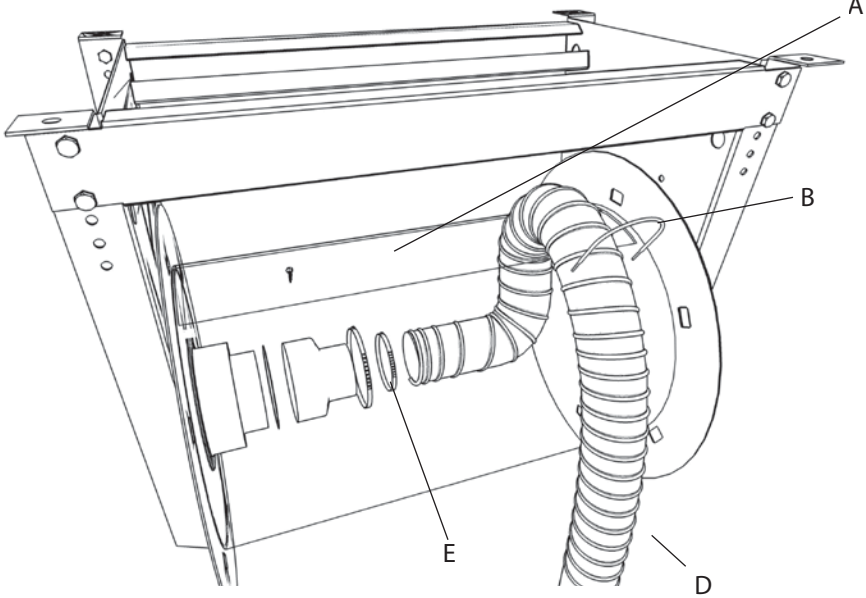
PLYMOVENT®	MONTERINGSANVISNING MOUNTING INSTRUCTION	BSAB no: T3.1 Ser .no: MHR Date: Oct.-99 Replace:
MHR-650, MHR-850, MHR-1050		

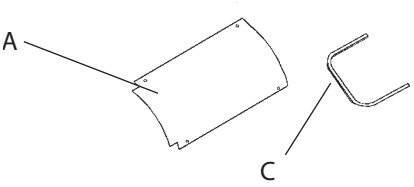
Motorized hose reel



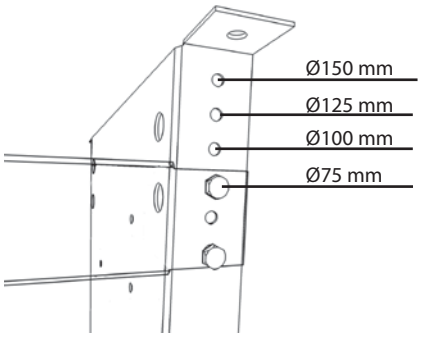
Assembly the hose

1. Dismantle drum lid A
2. Mount MAP-kit see picture below
3. Mount hose to the socket inside the drum using clamp E.
4. Bend hose into a natural soft curve and fasten it using clamp B.
5. Re-mount the drum lid A.
6. Mount the edge protection C at the opening of the drum where the hose protrudes.
7. Start the motor, coil up the hose and adjust the limit swithces, Se instructions on page 15





Position of console for different hose diameters.

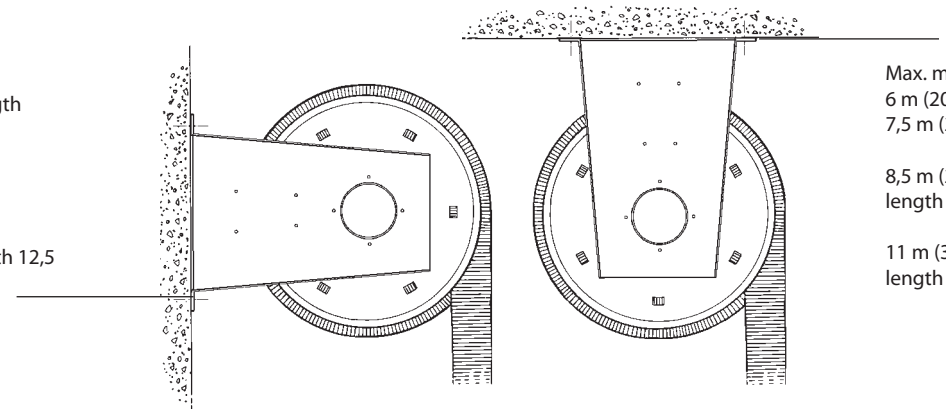


Mounting

Max. mounting height
5,5 m (18´ft)´´ for hose length
7,5 m (24ft).

8 m (26ft) for hose length
10 m (33ft).

10,5 m (34ft) for hose length 12,5 m (41ft)

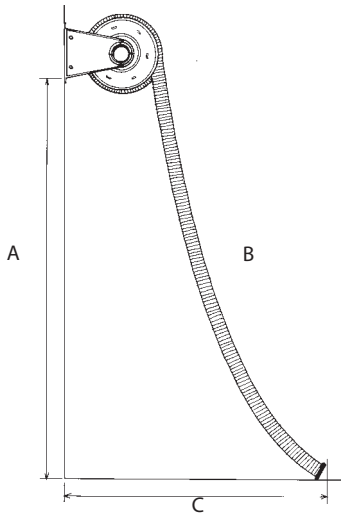


Max. mounting height
6 m (20ft for hose length
7,5 m (25ft).

8,5 m (28ft) for hose length 10 m (34ft).

11 m (36ft) for hose length 12,5 m (41ft).

Reach and mounting height



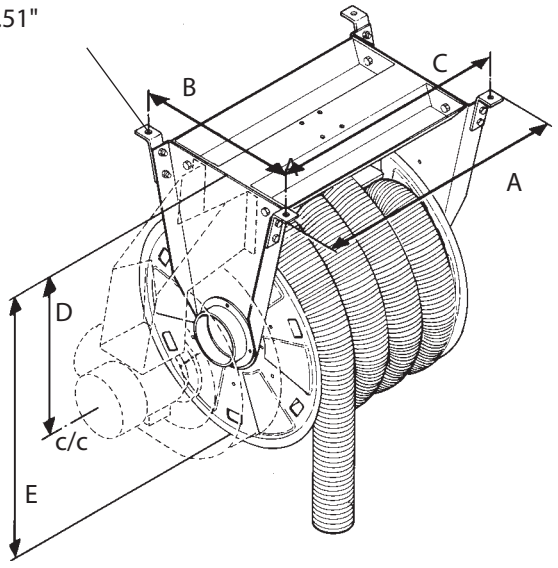
A=Mounting height B=Hose lenght C=Max. reach

m/feet						
A	**B**	**C**	**B**	**C**	**B**	**C**
3/9,8	7,5/24,7	6,2/20,4				
3,5/11,5	7,5	5,9/19,4	10/32,9	8,5/28		
4/13,1	7,5	5,5/18	10	8,3/27,3		
4,5/14,8	7,5	5,2/17,1	10	8,0/26,3		
5/16,4	7,5	4,7/15,5	10	7,7/25,3	12,5/41,1	10,6/34,9
5,5/18			10	7,4/24,3	12,5	10,3/33,9
6/19,7					12,5	10,0/32,9
6,5/21,4					12,5	9,7/31,9
7/23					12,5	9,4/30,9

Measures

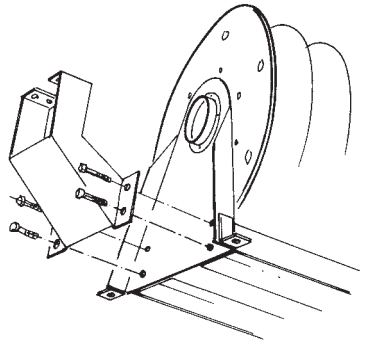
	MHR-650 mm/inch	MHR-850 mm/inch	MHR-1050 mm/inch
A	830/32,7	1030/40,5	1230/48,4
B	500/19,7	500/19,7	500/19,7
C	774/30,5	974/38,3	1174/46,2
D	490/19,3	490/19,3	490/19,3
E	790/31,1	790/31,1	790/31,1

Ø 13mm 0.51"

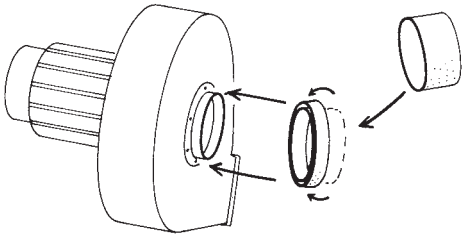


Mounting of fan

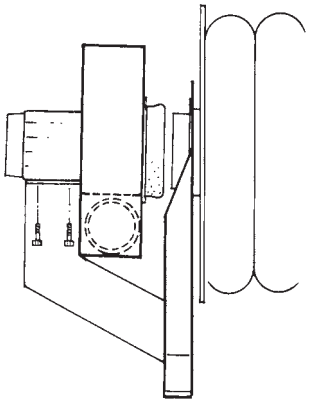
The motorized hose reel is delivered complete including ceiling or wall mounting bracket.
Either for connection to a central exhaust system or fitted with a fan (see 1-4).
First mount the fan with the reel upside down on the floor and then mount the complete reel to its intended position.



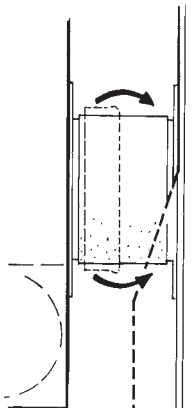
1. Attach bracket to reel.



2. Fit rubber collar folded to socket.



3. Screw fan to bracket.

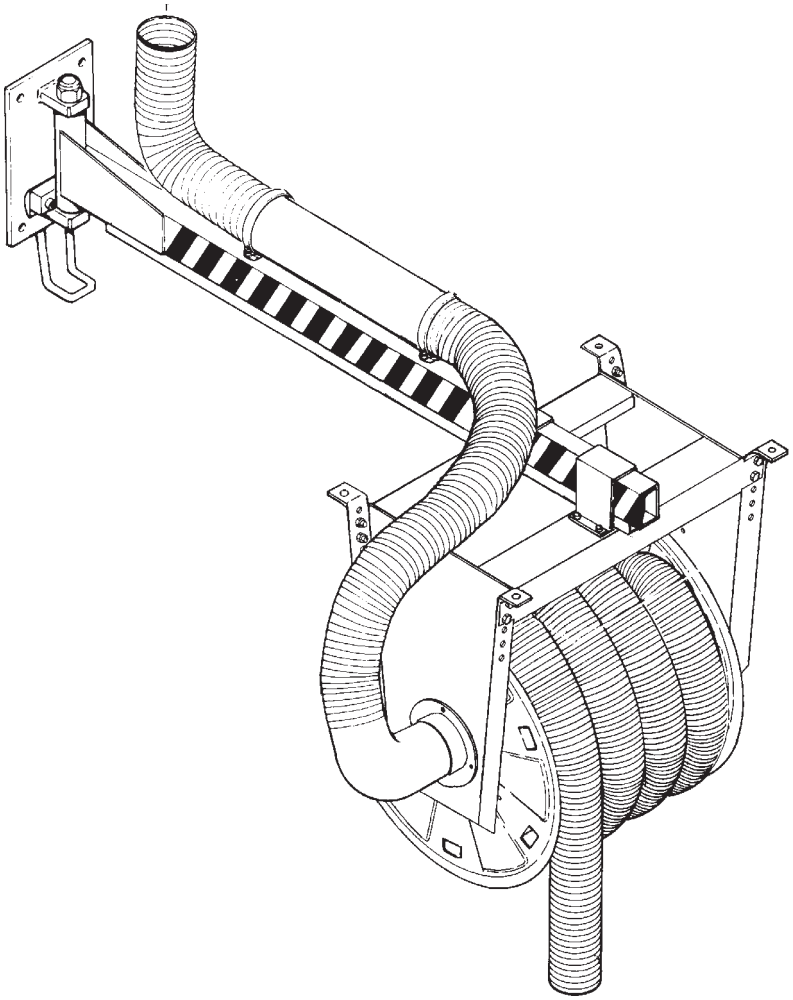


4. Unfold rubber collar over the reel's socket.

Mounting to different supporting structures

When the reel is mounted to rigid structures like iron beam, concrete etc. then use normally dimensioned attachment.
When mounted to porous or otherwise doubtful materials like hollow brick, lightweight concrete, plaster etc. do consult an expert.

PLYMOVENT®	MOUNTING INSTRUCTION	BSAB no: T3.1 Ser .no: MHR Date: Oct.-99 Replace:
Exhaust reel mounted on swinging arm		



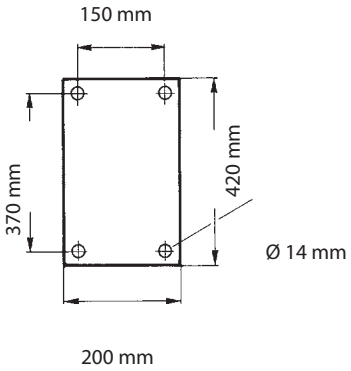
Prod. no.	Reach mm (see page 9)	Max stretching/bolt	Torque demands/bolt
EB-3.5	3500	650	1950
EB-4.5	4500	900	2700

Mounting

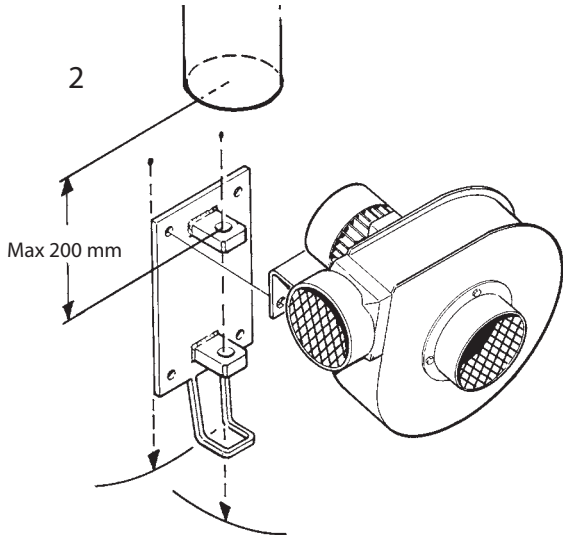
1. Bolt mounting bracket to wall.

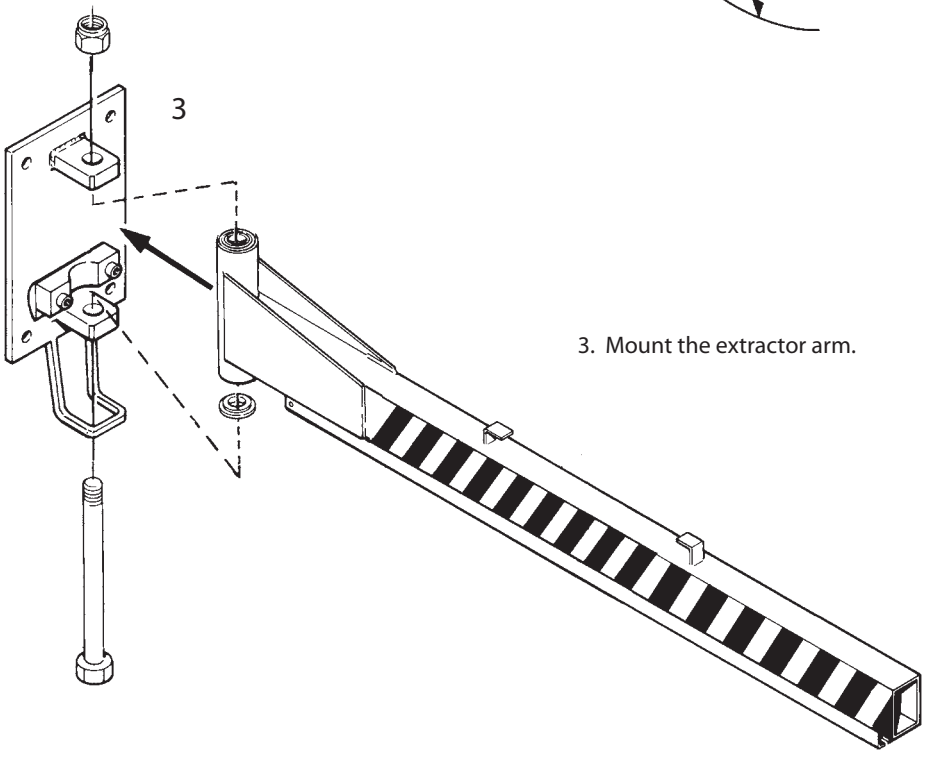
150 mm = 5,90 inch
200 mm = 7,87 inch
270 mm = 10,62 inch
320 mm = 12,59 inch
370 mm = 14,56 inch
420 mm = 16,53 inch
ϕ 14 mm= ϕ 9/16

Mounting bracket EBE-3.5, EBE-4.5



2. Mount the fan (if included).

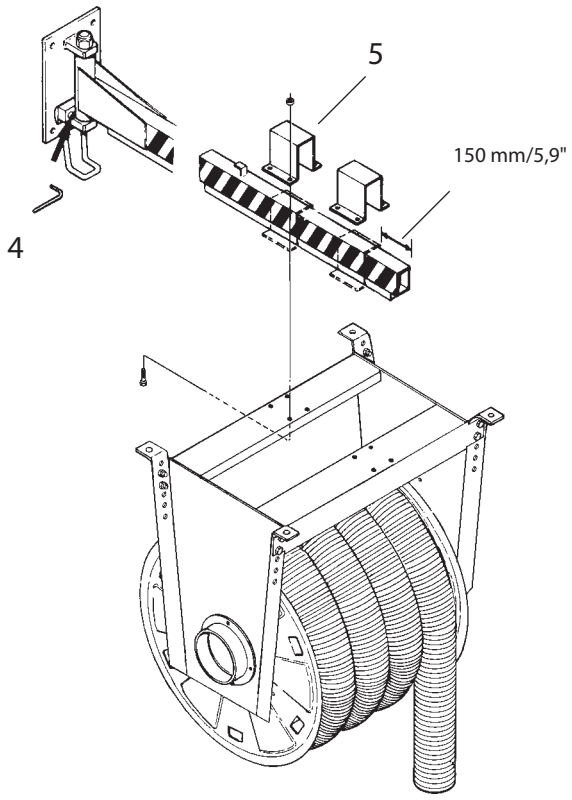




3. Mount the extractor arm.

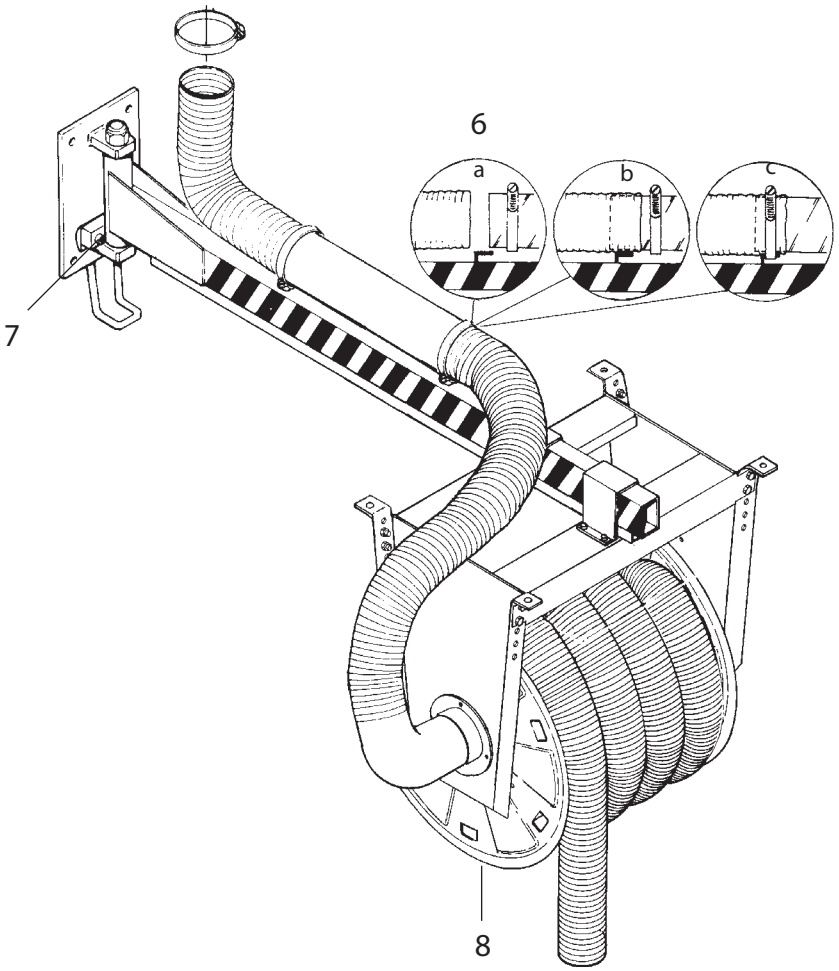
Mounting

4. Adjust friction until arm remains in one position.



5. Mount hose reel to extractor arm.

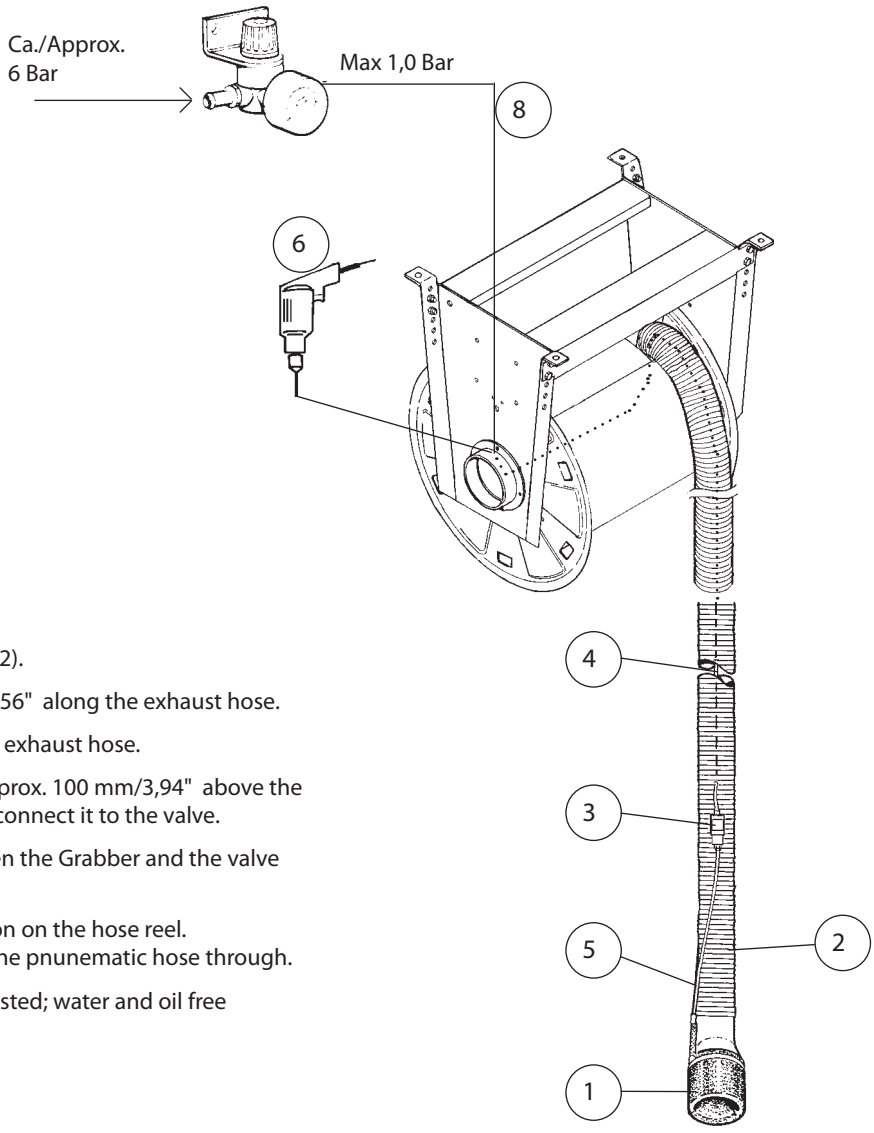
6. Mount spiro-tubing and hose on the extractor arm.



7. Set required friction.

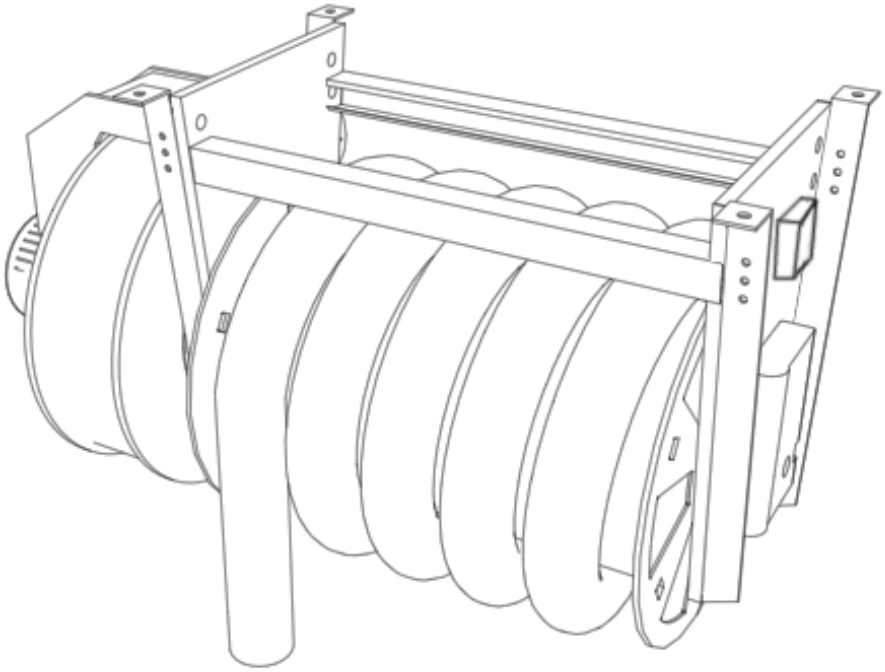
8. Mount ducting bend to hose reel.

PLYMOVENT®	MOUNTING INSTRUCTION	BSAB no: T3.1 Ser .no: MHR Date: Oct.-99 Replace:
Grabber nozzle		

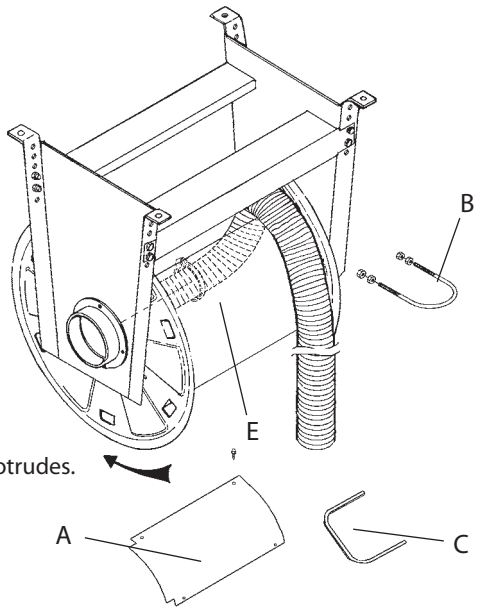


1. Mount Grabber (1) to exhaust hose (2).
2. Mount valve (3) approx. 700 mm/27,56" along the exhaust hose.
3. Pull pneumatic hose (4) through the exhaust hose.
4. Make a hole on the exhaust hose approx. 100 mm/3,94" above the valve, pull out pneumatic hose and connect it to the valve.
5. Connect pneumatic hose (5) between the Grabber and the valve (Ø 8 mm/5/16").
6. Drill a hole along the duct connection on the hose reel. Mount a rubber grommet and pull the pnunematic hose through.
7. The compressed air (8) must be adjusted; water and oil free at max. pressure 1.0 bar.

PLYMOVENT®	MAINTENANCE INSTRUCTIONS	BSAB no: T3.1 Ser .no: MHR Date: Oct.99 Replace:
MHR-650, MHR-850, MHR-1050		



Replacing the exhaust hose



1. Uncoil hose completely and lock reel in its most extended position.
2. Dismantle edge list C, drum lid A and clamp B.
3. Loosen hose clip E on the connecting socket and remove the old hose.
4. Attach new hose, bend it into a natural soft curve and fasten it using clamp B.
5. Re-mount the drum lid A.
6. Re-Mount the edge protection C at the opening of the drum where the hose protrudes.
7. The reel is now ready for use.

Endposition switch adjustment for motorized hose reels

1. Check that the motor rotate correct in relation to the control switches (fig. 3). If not, shift the brown and black cable inside the control box.
2. Adjustment of the limit positions are made by the two set screws on the underside of the motor (4). The set screws are marked "1" and "2". N.B. The adjustment/direction of rotation for the set screws have opposite directions
3. Adjustment of the upper limit position, "reeled hose". Start the motor by pressing the control switch "up". Turn at the same time set screw "2" using an allen key until the motor reaches the desired position. + (plus) is the same as ""up".
4. Adjustment of the lower limit position, "drawn out hose". The same as above but adjust with set screw "1". + (plus) is the same as "down".

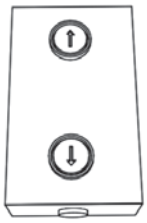
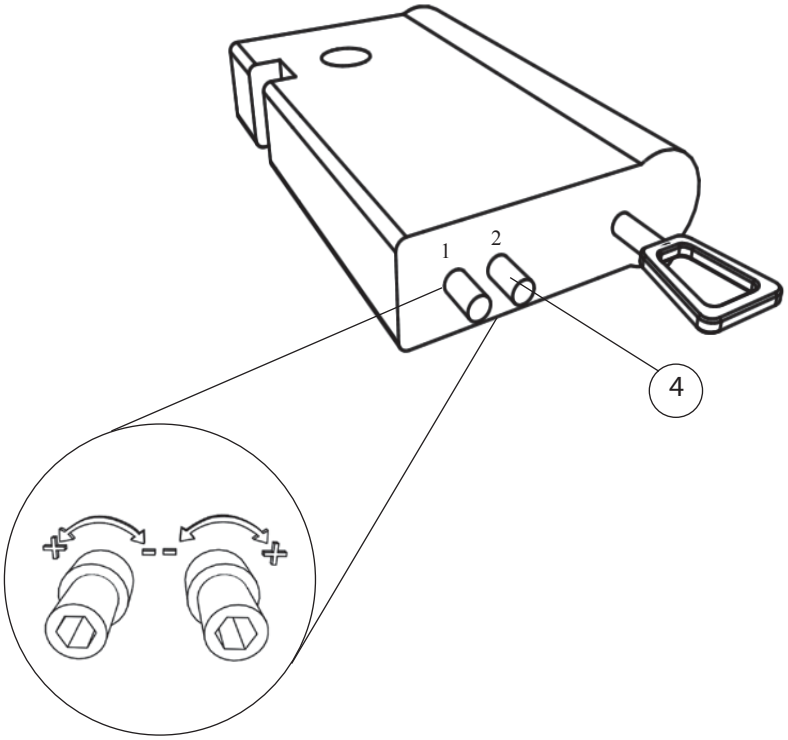


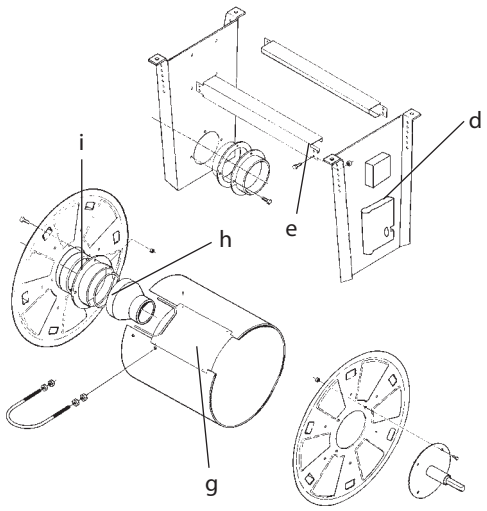
Fig.3



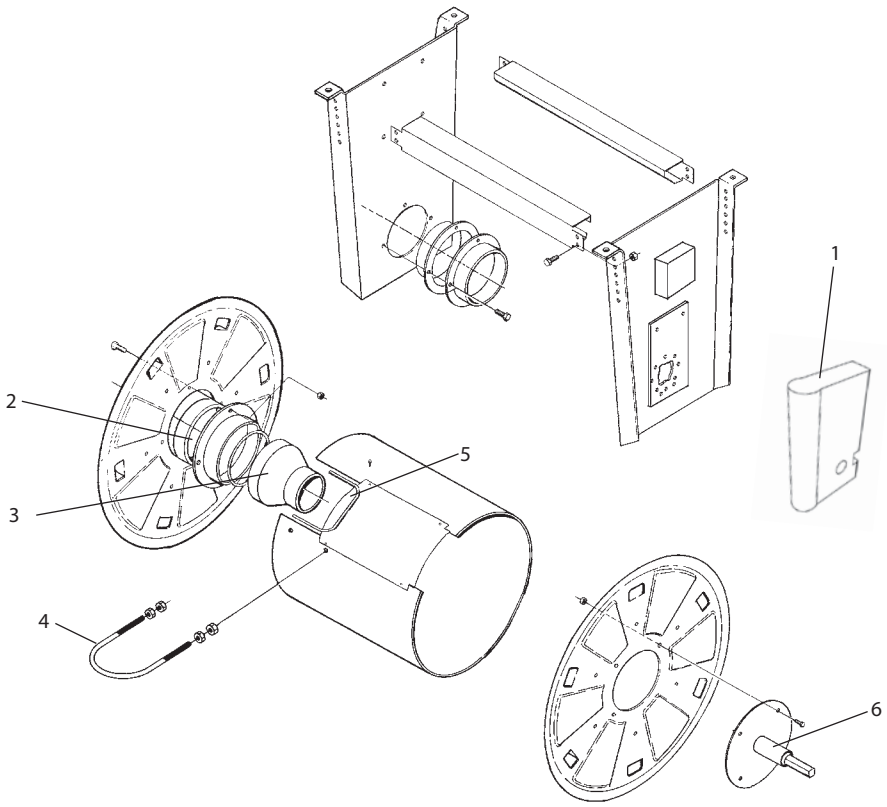
Exchaning the plastic bearings

<u>This work is best done with the reel dismantled and standing on the floor.</u>

1. Loosen the leg on the side of the motor (d) by undoing the bolts on the beam (e).
2. Remove drum from the reel.
3. Unscrew drum lid (g). Dismantle the connecting socket (h) and change the plastic bearing.
4. Reassemble in reverse order.



PLYMOVENT®	SPARE PART DRAWING	BSAB no: Ser .no: MHR Date: Mar-96 Replace:
MHR-650, MHR-850, MHR-1050		



PLYMOVENT	SPARE PARTS LIST	BSAB No: T3.1 Ser. No: MHR / RR Date: Aug -98 Replace:
MHR		

	Produkt No:	**Decription**	
A	All models	All models of MHR	
B	MHR-650		
C	MHR-850		
D	MHR-850		
E			
F			
G			

Abreviations

X = Order as requiered, state requiered length.

Pos	Art. No:	A	B	C	D	E	F	G	Description	Note
1	937 219	1							Geared motor compl. 220V 50Hz 12rpm	
	937 227	1							Geared motor compl. 120V 60Hz 14rpm	
	937 235	1							Geared motor compl. 220V 60Hz 6rpm	
2	4-783	1							SER/MER BEARING + 159 /PART	
3	524 264	1							Connecting socket	
4	962 126	1							Clamp 75	
	962 118	1							Clamp 100	
	962 134	1							Clamp 125	
	962 159	1							Clamp 150	
5	972 059	X							Edge cover	
6	524 660	1							Axle	
7										
8										
9										
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13										
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17										
20										

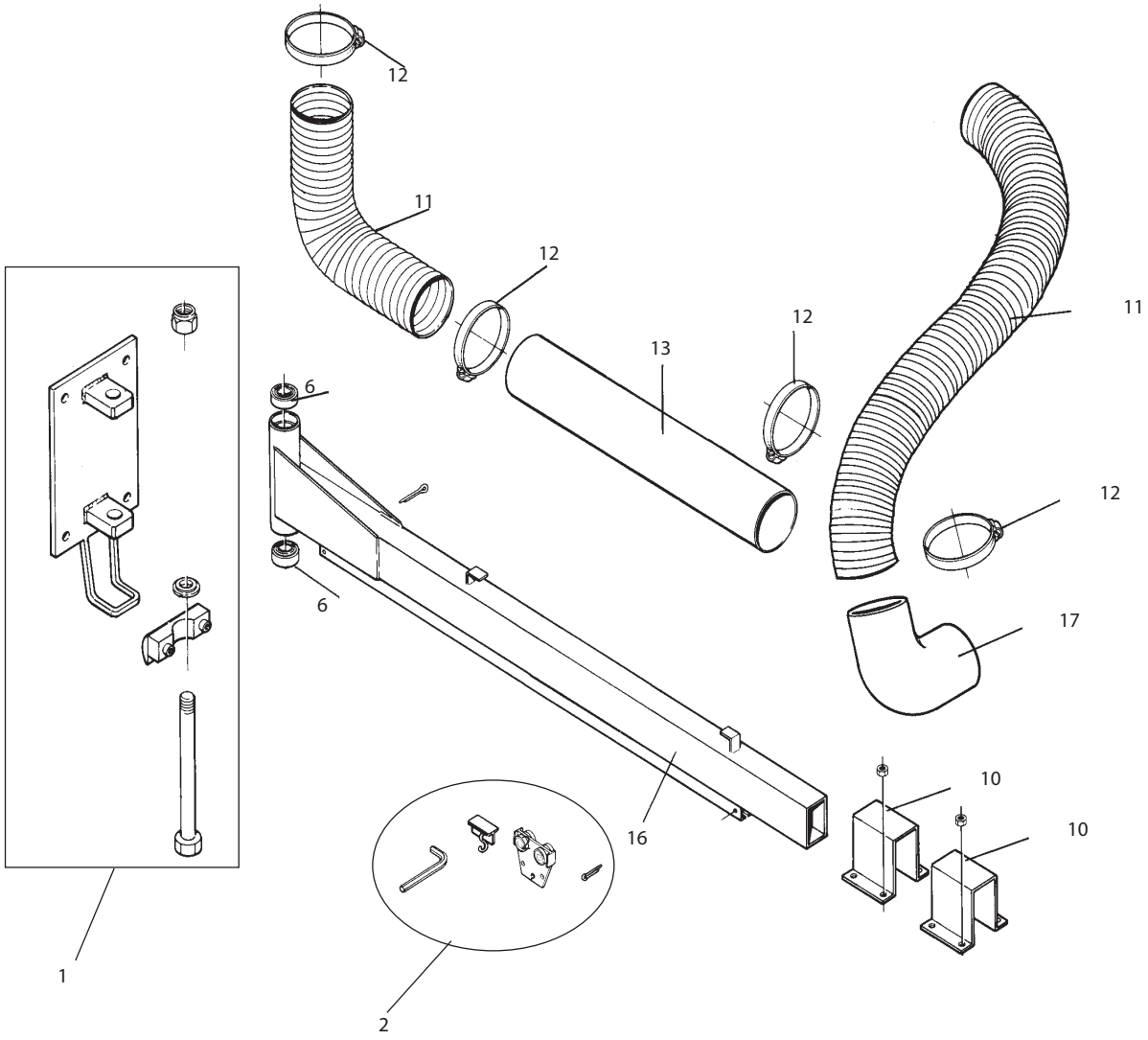
When ordering spare parts please quote:

•Product No. (see label) • Batch No • Description • Part No • Quantity

For example:

MHR, 00040, clamp 75, 962126, 1 pc

PLYMOVENT®	SPARE PART DRAWING	BSAB no: T3.1 Ser .no: Sv-arm/RR Date: Oct.-99 Replace:
Exhaust rell on swinging arm		



PLYMOVENT®	SPARE PARTS LIST	BSAB No: T3.1 Ser. No: EB / RR Date: Sep -05 Replace:Aug 98
EB-3,5, -4,5		

	Produkt No:	**Decription**
A	All models	All models of EB
B	EB-3,5	
C	EB-4,5	
D		
E		
F		
G		

Abreviations

X = Order as requiered, state requiered length.

Pos	Art. No:	A	B	C	D	E	F	G	Description	Note
1	508 424	1							Mount bracket EB-35,-45 complete.	
2	508 440	1							Boom/set accessories c-/parts	
6	963 017	2							Ballbearing EB-35, EB-45	
10	524 470	2							Hose reel attachment	
11	999 219	2							Inner hose 1,3M/4,28' Ø165mm/6,50"	
12	961 466	4							Hose clamp 168 black	
13	979 302,1		1						Inner lenght rigid ducting 2,3m	
	979 328,1			1					Inner lenght rigid ducting 3,3m	
16	503 861,1		1						Boom/ inner arm 3,5M/ 11,51' black	
	503 896,1			1					Boom/ inner arm 4,5M/ 14,80' black	
17	980 300	1							90° bend Ø 160mm/ 6,50"	

When ordering spare parts please quote:

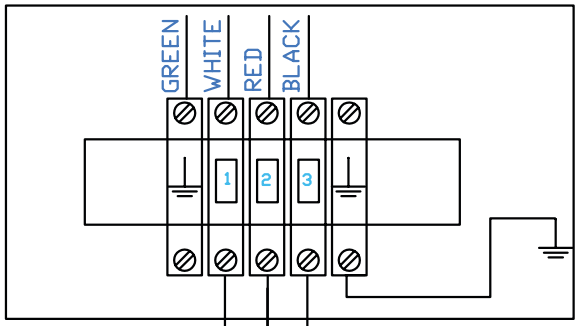
•Product No. (see label) • Batch No • Description • Part No • Quantity

For example:

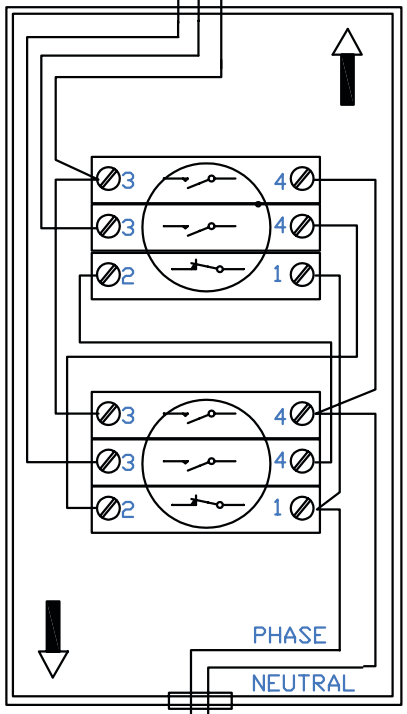
EB, 00040, Hose clamp ,961466 , 1 pc

NOTES!
1. C1 AND C2 INDICATES FIELD WIRING
2. MAIN -SERVICE DISCONNECT PROVIDED BY OTHERS

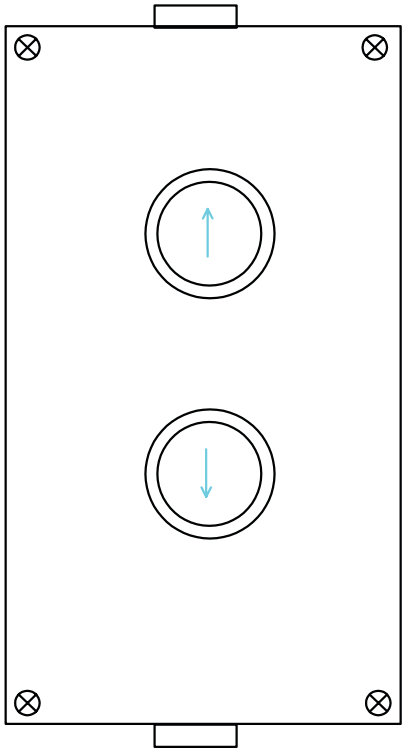
JUNCTION BOX AT HOSEREEL



BACKSIDE OF CONTROL PANEL



FRONTSIDE OF CONTROL PANEL

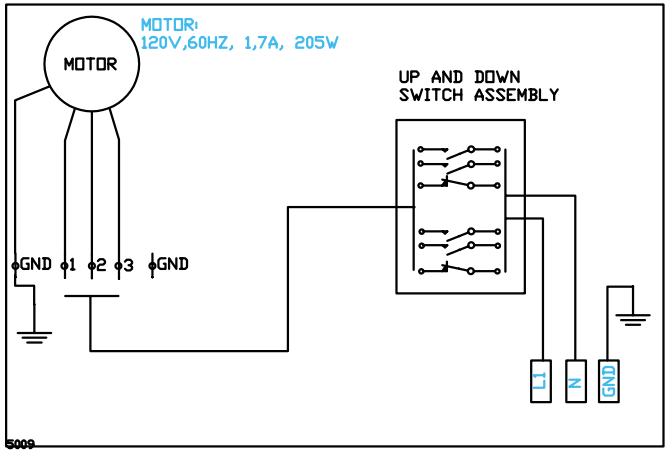


C2

C1

INPUT POWER
SINGLE PHASE
120V ,60 HZ

CIRCUIT DIAGRAM:



Rev In	Revision		Appd	Year Week
1	terminalblock		x	99 43

Design checked by –
Drawing checked by –
Drawn by EF

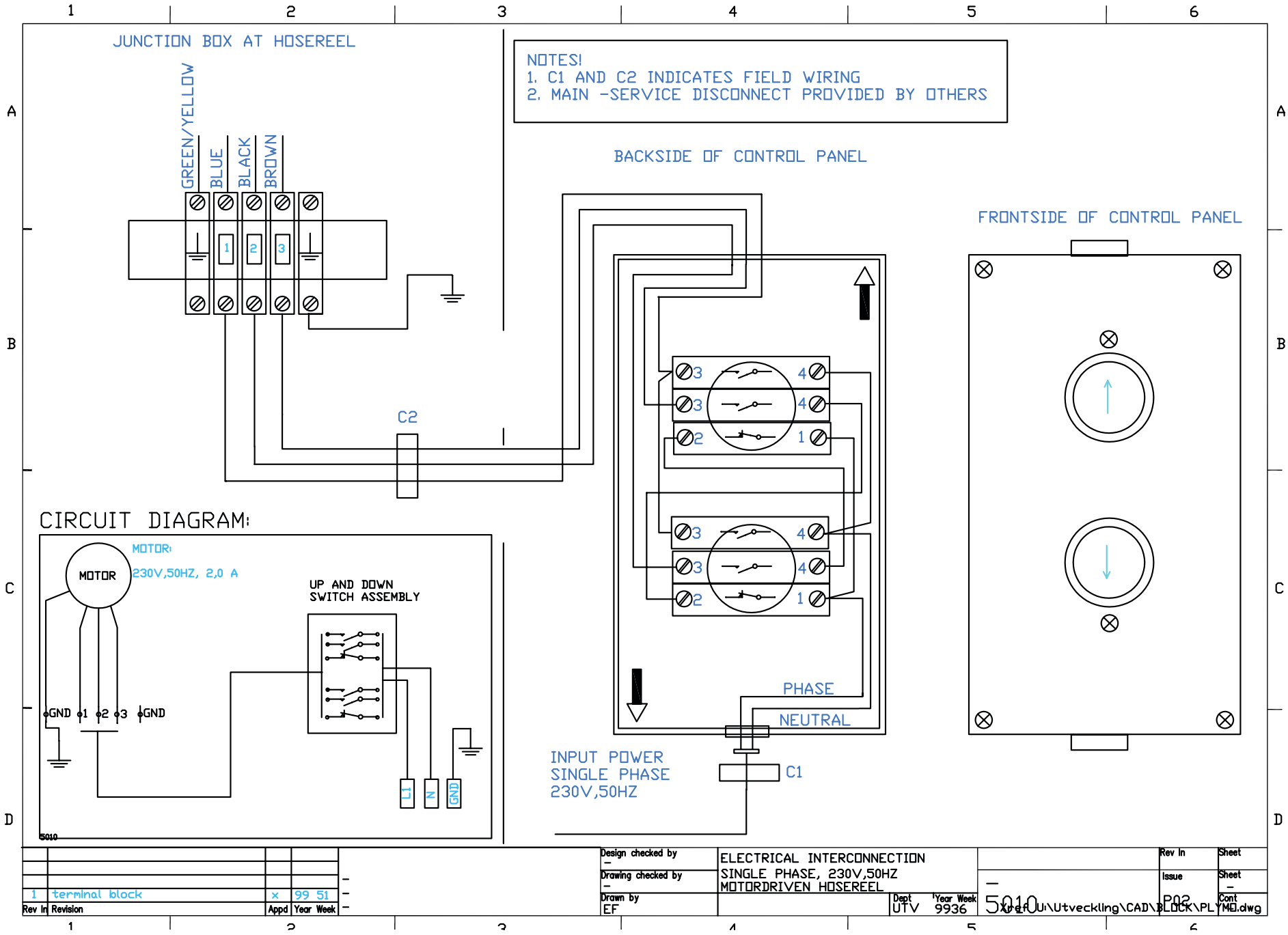
ELECTRICAL INTERCONNECTION
SINGLE PHASE, 120 V,60 HZ
MOTORDRIVEN HOSEREEL

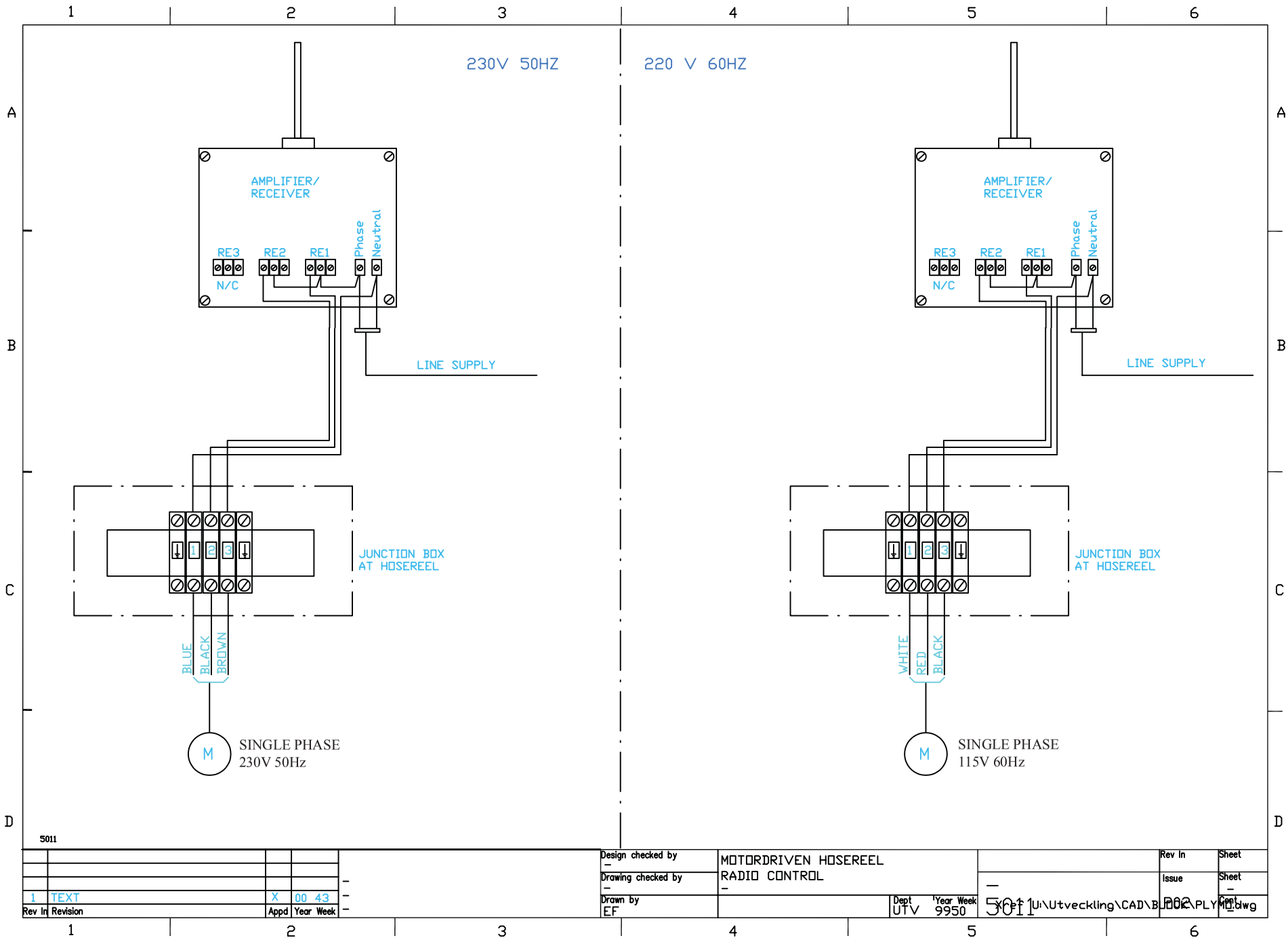
Dept UTV | Year Week 9931

5009 X:\Utveckling\CAD\BLUER\PLYMU.dwg

Rev In – | Sheet –
Issue P02 | Sheet –
Cont –

EN/22


JUNCTION BOX AT HOSEREEL
GREEN/YELLOW
BLUE
BLACK
BROWN
1
2
3
NOTES!
1. C1 AND C2 INDICATES FIELD WIRING
2. MAIN -SERVICE DISCONNECT PROVIDED BY OTHERS
BACKSIDE OF CONTROL PANEL
FRONTSIDE OF CONTROL PANEL
C2
CIRCUIT DIAGRAM:
MOTOR:
MOTOR
230V,50HZ, 2,0 A
UP AND DOWN
SWITCH ASSEMBLY
GND 1 2 3 GND
L1
N
GND
PHASE
NEUTRAL
INPUT POWER
SINGLE PHASE
230V,50HZ
C1
5010
1 terminal block x 99 51
Rev In Revision Appd Year Week
Design checked by –
Drawing checked by –
Drawn by EF
ELECTRICAL INTERCONNECTION
SINGLE PHASE, 230V,50HZ
MOTORDRIVEN HOSEREEL
Dept UTV
Year Week 9936
5010
Xref U:\Utveckling\CAD\BLOCK\PLYMD.dwg
Rev In –
Issue P02
Sheet –
Cont –


230V 50HZ
220 V 60HZ
AMPLIFIER/
RECEIVER
RE3
RE2
RE1
Phase
Neutral
N/C
LINE SUPPLY
JUNCTION BOX
AT HOSEREEL
BLUE
BLACK
BROWN
WHITE
RED
BLACK
M
SINGLE PHASE
230V 50Hz
SINGLE PHASE
115V 60Hz
5011
1 TEXT X 00 43
Rev In Revision Appd Year Week
Design checked by
Drawing checked by
Drawn by
EF
MOTORDRIVEN HOSEREEL
RADIO CONTROL
Dept
UTV
Year Week
9950
Rev In
Issue
Sheet
Sheet
Cont
5011
U:\Utveckling\CAD\BJUCK\PLYMO.dwg

Reg.nr: 2.25-4
Edition: 3
Date: 080512

PLYMOVENT®

GB EU Declaration of Conformity

We hereby declare that the equipment described below conforms to the relevant fundamental safety and health requirements of the appropriate EU Directives, both in its basic design and construction as well as in the version marketed by us. This declaration will cease to be valid if any modifications are made to the machine without our express approval.

Appropriate internal measures have been taken to ensure that series-production units conform at all times to the requirements of current EU Directives and relevant standards. The signatories are empowered to represent and act on behalf of the company management.

D EG Konformitätserklärung

Hiermit erklären wir, daß die nachfolgend bezeichnete Maschine aufgrund ihrer Konzipierung und Bauart sowie in der von uns in Verkehr gebrachten Ausführung den einschlägigen grundlegenden Sicherheits- und Gesundheitsanforderungen der EG-Richtlinien entspricht. Bei einer nicht mit uns abgestimmten Änderung der Maschine verliert diese Erklärung ihre Gültigkeit.
Es ist durch interne Maßnahmen sichergestellt, daß die Seriengeräte immer den Anforderungen der aktuellen EG-Richtlinien und den angewandten Normen entsprechen. Die Unterzeichnenden handeln im Auftrag und mit Vollmacht der Geschäftsführung.

F Déclaration de conformité européenne

Par la présente, nous déclarons que la machine ci-après répond, de par sa conception et sa construction ainsi que de par le modèle que nous avons mis sur le marché, aux exigences de sécurité et d'hygiène en vigueur de la directive européenne. En cas de modification de la machine effectuée sans notre accord, cette déclaration sera caduque.
La conformité permanente des appareils de série avec les exigences consignées dans les directives actuelles de la CE et avec les normes appliquées est garantie par des mesures internes. Les soussignés agissent par ordre et avec les pleins pouvoirs de la Direction commerciale.

I Dichiarazione di conformità CE

Dichiariamo con la presente, che la macchina qui di seguito indicata, in base alla sua concezione e al tipo di costruzione, e nella versione da noi introdotta sul mercato, è conforme ai relativi requisiti fondamentali di sicurezza e di sanità delle direttive della CE. In caso di modifica apporate alla macchina senza il nostro accordo, questa dichiarazione perde la sua validità.
Mediante accorgimenti interni, è stato assicurato che gli apparecchi di serie siano sempre conformi ai requisiti delle attuali direttive CE e alle norme applicate. I firmatari asgiscono su incarico e con i poteri dell'Amministrazione.

NL EU-conformiteitsverklaring

Hiermee verklaren wij dat de hierna vermelde machine op grond van haar concipiëring en constructie en in de door ons in omloop gebrachte uitvoering beantwoordt aan de desbetreffende veiligheids- en gezondheidsvoorschriften van de EG-richtlijnen. Na een wijziging aan de machine die niet in overleg met ons wordt uitgevoerd, verliest deze verklaring haar geldigheid.
Door interne maatregelen is er voor gezorgd dat de standaard-apparaten altijd beantwoorden aan de eisen van de actuele richtlijnen en de toegepaste normen. De ondergetekenden handelen in opdracht en op volmacht van de bedrijfsleiding.

E Declaración de conformidad de la Unión Europea

Por la presente declaramos los abajo firmantes que la máquina designada a continuación cumple, tanto por su concepción y clase de construcción como por la ejecución que hemos puesto en circulación, las normas fundamentales de seguridad y protección de la salud formuladas en las directivas comunitarias correspondientes. La presente declaración pierde su validez en caso de alteraciones en la máquina efectuadas sin nuestro consentimiento explicito.
Mediante una serie de medidas internas, queda asegurado que los aparatos y equipos de serie cumplan siempre las exigencias formuladas en las directivas comunitarias actuales y en las normas correspondientes a aplicar. Los firmantes actúan autorizados y con poder otorgado por la dirección de la empresa.

P CE-Declaração de conformidade

Nós declaramos pelo presente instrumento que a máquina abaixo indicada corresponde, na sua concepção, fabricação bem como no tipo por nós comer-cializado, às exigências básicas de segurança e de saúde da directiva da CE. Se houver uma modificação na máquina sem o nosso consentimento prévio, a presente declaração perderá a sua validade.
Assegura-se, através de medidas internas da empresa, que os aparelhos de série correspondem sempre às exigências das directivas actualizadas da CE e às normas aplicadas. Os abaixo assinados, actuam e representam através de procuração a gerência.

DK Eu-overensstemmelseserklæring

Hermed erklærer vi at nedenstående maskine på grund af sin udformning og konstruktion i den udførelse, i hvilken den sælges af os, overholder EU-direktivernes relevante, grundlæggende sikkerheds- og sundhedsmæssige krav.
Hvis maskinen ændres uden aftale med os, mister denne attest sin gyldighed.
Interne forholdsregler sikrer, at serieapparaterne altid opfylder kravene fra de aktuelle EU-direktiver og de standarder, der blev anvendt: Underskriverne handler på forretningsledelsens vegne og med dennes fuldmagt.

(N) EU-KONFORMITETSERKLÆRING

Vi erklærer herved at maskinen som er beskrevet nedenfor, i konstruksjon og uførelse tilsvarer markedsførte modell og er i overensstemmelse med de gjeldende og grunnleggende sikkerhets- og helsekrav i EU-direktivet. Denne erklæring mister sin gyldighet dersom maskinen endres uten etter avtale med oss.
Gjennom interne tiltak er det sikert at serieproduserte maskiner alltid er i overensstemmelse med kravene i de aktuelle EU-direktiver og anvendte normer. Undertegnede handler etter oppdrag og med fullmakt fra ledelsen.

(S) Försäkran om överensstämelse

Härmed försäkrar vi att den enligt nedan angivna maskinen till konstruktion, byggnadssätt och i av oss levererat utförande motsvarar tillämpliga baskrav beträffande säkerhet och hälsa enligt EU-direktiven.
Vid ändringar på maskinen som icke avtalats med oss upphör denna försäkran att gälla.
Vi har genom interna åtgärder säkerställt, att serietillverkade maskiner alltid motsvarar aktuella EU-direktiv och tillämpade normer. De undertecknade agerar på uppdrag av och med fullmakt av företagsledningen.

(FIN) EU-vaatimustenmukaisuusvakuutus

Me vakuutamme, attä alla mainittu tuote vastaa suunnittelultaan ja rakenteeltaan sekä valmistustavaltaan EU-direktiivien asianomaisia turvallisuus- ja terveysvaatimuksia. Jos koneeseen tehdään muutoksia, joista ei ole sovittu kanssamme, tämä vakuutus ei ole enää voimassa.
Sisäisin toimenpitein varmistetaan, että sarjatuotantolaitteet vastaavat aina voimassaolevien EU-direktiivien vaatimuksia ja sovellettuja normeja. Allekirjoittaneet toimivat yrityksen johdon toimeksiannosta ja valtuuttamina.

(PL) EU Deklaracja zgodności

Niniejszym deklarujemy, że opisane niżej urządzenia spełniają odpowiednie, zasadnicze wymagania dotyczące bezpieczeństwa i zdrowia obowiązujących Dyrektyw UE, zarówno w swoim podstawowym projekcie i konstrukcji, jak i w wersji sprzedawanej przez naszą firmę. Niniejsza deklaracja traci swą ważność w przypadku jakichkolwiek modyfikacji urządzenia wykonanych bez naszej wyraźnej zgody.
Podjęto odpowiednie środki wewnątrzzakładowe w celu zapewnienia stałej zgodności urządzeń produkowanych seryjnie z wymaganiami aktualnych Dyrektyw UE i odpowiednich norm. Podpisujący deklarację są upoważnieni do reprezentowania i podejmowania działań w imieniu kierownictwa firmy.

PRODUKT: HOSE REELS
MODEL: MHR

BATCH NO: 04401--XXXXX

EU-RICHTLINIE:

"Wir, Plymovent, Kopparbergsgatan 2, SE-214 44 Malmö, Sweden, erklären hiermit eigenverantwortlich dass das Produkt/die Produkte:

Richtlinie für Maschinen 2006/42/EC
EN ISO 12100-1, -2
EN ISO 13857

EMC Richtlinie 2004/108/EC
EN 61000-6
EN 61000-2

Alkmaar, die Niederlande, 30-08-2011

Plymovent Manufacturing AB
P.O. Box 527
SE-921 28 Lycksele

.....
Cees Knijn
COO

.....
Tony Norgren
Plant manager