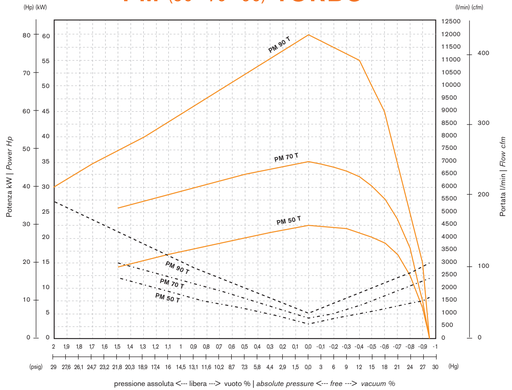
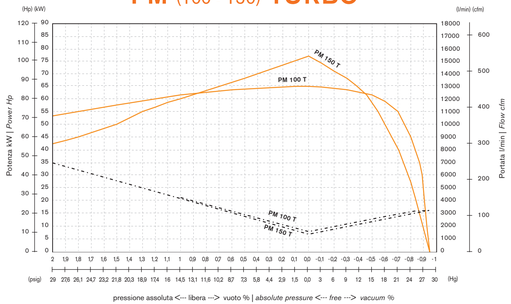
Portate | *Flow rate*

PM (50 - 70 - 90) TURBO



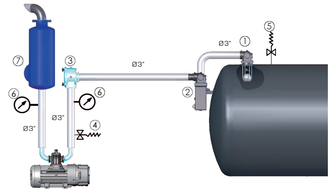
PM (100 - 150) TURBO



Impianto del vuoto | *Vacuum system*

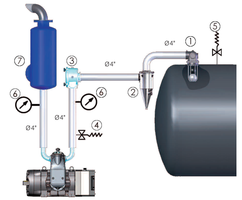
PM 50 T - PM 70 T - PM 90 T

1 - Valvola primaria - *Primary shut-off valve*	
2 - Valvola secondaria - *Secondary shut-off valve*	
3 - Filtro di sicurezza - *Air safety filter*	
4 - Valvola di sicurezza - *Vacuum relief valve*	
5 - Valvola di sicurezza - *Pressure relief valve*	
6 - Manovuotometro - *Vacuum pressure gauge*	
7 - Silenziatore | filtro olio - *Silencer (Oil catch muffler)*	



PM 100 T - PM 150 T

	Standard jobs	Heavy Duty jobs
1 - Valvola primaria - *Primary shut-off valve*	6.444300240-1	6.840000010-2
2 - Valvola secondaria - *Secondary shut-off valve*	6.444300270-1	6.344000220-2C
3 - Filtro di sicurezza - *Air safety filter*	6.444300280-1	6.444300280-1
Flangia per PM150T - *Flange for PM150T*	6.610002760-2	6.610002760-2
Flangia per PM100T - *Flange for PM100T*	6.610007850-2	6.610007850-2
Guarniz. per flangia PM150T - *Gasket for flange PM150T*	6.680500180-2	6.680500180-2
Guarniz. per flangia PM100T - *Gasket for flange PM100T*	6.680600570-2	6.680600570-2
4 - Valvola di sicurezza - *Vacuum relief valve*	6.925065000-2	6.925065000-2
5 - Valvola di sicurezza - *Pressure relief valve*	6.925061001-2	6.925061001-2
6 - Manovuotometro - *Vacuum pressure gauge*	6.927074106-2	6.927074106-2
7 - Silenziatore | filtro olio - *Silencer (Oil catch muffler)*	6.926605004-1	6.841100050-2C





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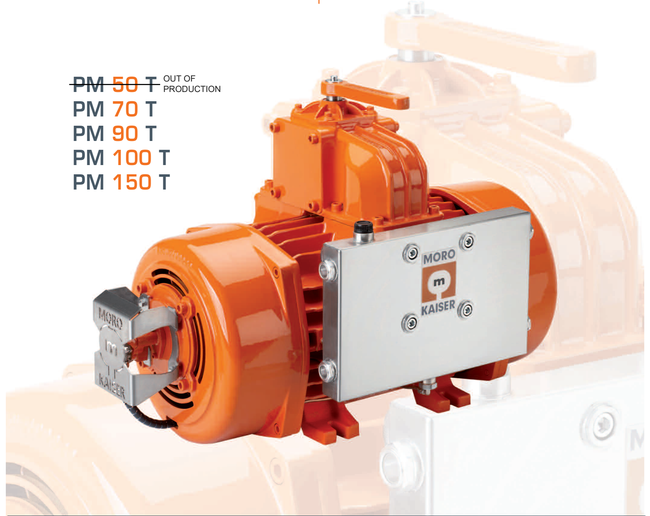
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MORO KAISER COMPONENTS

Serie TURBO | *TURBO series*

~~PM 50 T~~ OUT OF PRODUCTION
PM 70 T
PM 90 T
PM 100 T
PM 150 T



Decompressori raffreddati ad aria forzata con ventole
Dual fan air cooled vacuum pumps

Caratteristiche tecniche | *Technical details*

I decompressori della serie TURBO con raffreddamento ad aria forzata tramite 2 ventole rappresentano il più elevato standard nella tecnologia dell'aspirazione sottovuoto e sono appositamente studiati per un impiego di tipo industriale. La tecnologia applicata è quella delle pompe rotative a palette di tipo radiale. La gamma TURBO è costituita attualmente da 4 modelli con differenti portate d'aria, per i quali sono disponibili vari accessori in funzione della movimentazione richiesta. Il corpo pompa, realizzato in ghisa ad alta resistenza, è stato progettato per garantire la massima affidabilità nel tempo e in modo da favorire lo scambio termico. Le luci di ingresso e di uscita dell'aria sono state studiate nell'ottica della riduzione del rumore e del calore prodotto. Per aumentare lo scambio termico sono state inserite nel corpo pompa 2 ventole di raffreddamento che migliorano il tempo di utilizzo della pompa. Il corretto funzionamento del decompressore è assicurato dalla lubrificazione automatica con pompa a pistoni. Il serbatoio dell'olio è incorporato. Le palette sono realizzate in un materiale composito ad alta resistenza al calore. Un apposito foro di ispezione praticato nelle flange permette di controllarne visivamente l'usura. Per assicurare la maggiore resistenza della pompa alle alte temperature le tenute sono in Viton. La valvola di non ritorno e valvola a 4 vie a leva sono integrate nella pompa. Le curve di ingresso e di uscita sono flangiate e possono essere orientate a piacere in funzione delle esigenze di allestimento.
• Curve in uscita predisposte per ricevere la valvola di max pressione, la valvola di max vuoto e il manometro.
• Azionamento di tipo idraulico o pneumatico della valvola a 4 vie

The new TURBO series forced convection air cooling with 2 fans vacuum pumps represent the most elevated standard in the technology of the vacuum suction and they are studied on purpose for an employment in the industrial sector. The applied technology is the one of the radial rotary vanes pump. The TURBO range is currently constituted by 4 pumps models, with different air courses, for which there are several accessories available in accordance of the required capacity. The pump' s body, realized in high-resistant cast iron, has been projected to guarantee the maximum lasting reliability and to favor the heat exchange. The air inlet and outlet ports have been studied to reduce both noise and heat produced. The increase of heat exchange has been granted by the introduction of 2 cooling fans which improve the time of the pump use. The correct operation of the vacuum pump is insured by the forced lubrication with piston pump. The oil tank is incorporated. The vanes are of a high-heat-resistant composite material. A special inspection hole in the flanges allows the visual check of their wear. The Viton seals grants a better resistance of the pump to high temperatures. The non-return valve and the 4-ways valve are integrated in the pump. The inlet and outlet elbows are flanged and can be directed in accordance of the requirements of the final use.
• *Outlet curves predisposed for the mounting of pressure relief valve, vacuum relief valve and manometer.*
• *Hydraulic or pneumatic actuator change over type for the 4-way valve.*

Prestazioni | *Performances*

Modello - *Model*		**PM 50 T**	**PM 70 T**	**PM 90 T**	**PM 100 T**	**PM 150 T**
Portata d'aria a bocca libera - *Free air flow*	lt/min	4500	7000	12183	13000	15400
	m^3/h	270	420	731	780	924
	cfm	159	247	430	460	544
Portata d'aria all'80% di vuoto *Air delivery at 80% vacuum*	lt/min	2500	3500	4879	9000	5017
	m^3/h	150	210	293	540	301
	cfm	88.3	123.6	172	317.8	177
Vuoto servizio continuo *Continuous duty vacuum*	%	80	80	80	80	80
	In Hg	23.9"	23.9"	23.9"	23.9"	23.9"
Vuoto massimo - *Maximum vacuum*	%	95	95	95	95	92
	In Hg	28.4"	28.4"	28.4"	28.4"	27.5"
Pressione nominale lavoro *Nominal working pressure*	bar abs	2	2	2	2	2
	barg	1	1	1	1	1
	psi abs	29	29	29	29	29
	psig	14.5	14.5	14.5	14.5	14.5
Pressione max - *Maximum pressure*	bar abs	2.5	2.5	3	3	3
	barg	1.5	1,5	2	2	2
	psi abs	36	36	43.5	43.5	43.5
	psig	21.8	21.8	29.0	29.0	29.0
Potenza assorbita a vuoto max *Power required at maximum vacuum*	kW	8	12	10.6	23	15.1
	hp	10.9	16.3	14.4	31.3	21.9
Potenza assorbita alla pressione massima *Power required at max pressure vacuum*	kW	12	15	27.5	31	35
	hp	16.3	20.4	37.4	42.1	47.5
Consumo olio - *Oil consumption*	gr/h	185	185	154	80	220
Capacità serbatoio olio - *Oil tank capacity*	lt	3.4	3.4	4	5	4
	Quarts	3.6	3.6	4.2	5.3	4.2
Livello di pressione sonora - *Noise level*	dB-A	76	76	78	79	80
Velocità massima - *Max speed*	rpm	1500	1100	1350	1500	1350
Velocità di lavoro - *Working speed*	rpm	1200	1100	1200	1300	1100

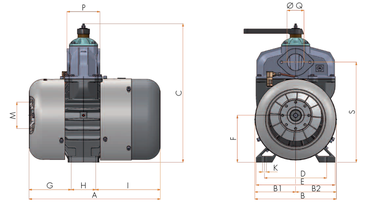
PM (50) TURBO

Portata m³/h 270 - cfm 159 | *Flow rate m³/h 270 - cfm 159*

Codice
Code
6.211000690-2
6.211000680-2

Rotazione
Rotation
DX / RIGHT
SX / LEFT

Velocità di rotazione
Rotation speed
1500 RPM
1500 RPM



		A	B	B1	B2	C	D	E	F	G	H	I	K	L	M	P	Q	R	S	
PM50T	mm	505	314	157	157	533	240	305	180	167	85	253	16	-	Ø101.5 x nr° 8 Ø 8.5	127	76-80	-	385	80 Kg
	in	19.9	12.4	6.2	6.2	21.0	9.4	12.0	7.1	6.6	3.3	10.0	0.6	-	Ø4 x nr° 8 Ø 0.33	5.0	3"	-	15.2	176 lbs

Raffreddamento ad aria forzata con ventole - Pompa di lubrificazione incorporata - Valvola di ritegno incorporata - Deviatore incorporato - Palette antiscintilla esenti amianto.
Dual fan air cooling - Incorporated lubricating pump - Incorporated check valve - Incorporated change-over valve - Asbestos-free spark-proof vanes.

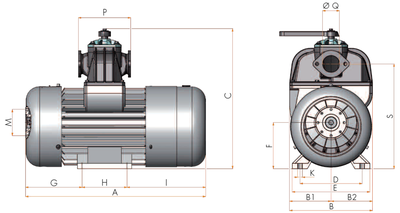
PM (70) TURBO

Portata m³/h 420 - cfm 247 | *Flow rate m³/h 420 - cfm 247*

Codice
Code
6.211002570-2
6.211002580-2

Rotazione
Rotation
DX / RIGHT
SX / LEFT

Velocità di rotazione
Rotation speed
1100 RPM
1100 RPM



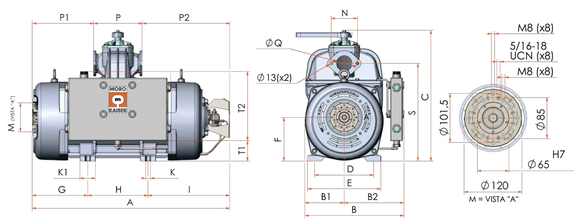
		A	B	B1	B2	C	D	E	F	G	H	I	K	L	M	P	Q	R	S	
PM70T	mm	695	320	160	160	542	240	300	178	227	155	313	16	-	Ø101.5 x nr° 8 Ø 8.5	202	76-80	-	405	151 Kg
	in	27.4	12.6	6.3	6.3	21.3	9.4	11.8	7.0	8.9	6.1	12.3	0.6	-	Ø4 x nr° 8 Ø 0.33	8.0	3"	-	15.9	333 lbs

PM (90) TURBO Portata m³/h 731 - cfm 430 | *Flow rate m³/h 731 - cfm 430*

Codice *Code*
6.211005260-1
6.211005250-1

Rotazione / *Rotation*
DX / RIGHT
SX / LEFT

Velocità di rotazione / *Rotation speed*
1350 RPM
1350 RPM

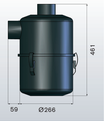


		A	B	B1	B2	C	D	E	F	G	H	I	K	K1	N	P	P1	P2	Q	S	T1	T2	
PM90T	mm	819.5	410.5	163	247.5	542	245	305	181.5	230	250	339.5	16	65	109	202	254	363.5	76-80	405	85	286.5	213 Kg
	in	32.3	16.2	6.4	9.7	21.3	9.6	12.0	7.1	9.1	9.8	13.4	0.6	2.6	4.3	8.0	10.0	14.3	3	15.9	3.3	11.3	470 lbs

Accessori | *Accessories* PM 50 T - PM 70 T - PM 90T - PM 150T - PM 150T

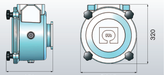
Silenziatore (con recupero olio)
Silencer (oil catch muffler)

Ø 76 3" 6.927095110-2
Ø 100 4" 6.926605004-1



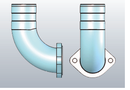
Filtro di sicurezza
Air safety filter

6.444300280-1



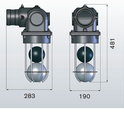
Curva flangiata orientabile
90° elbow

Ø 76 3" 6.861100040-2



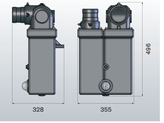
Valvola primaria
Primary shut-off valve

Ø 76 3" 6.444300220-1
Ø 100 4" 6.444300240-1



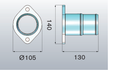
Valvola secondaria
Secondary shut-off valve

Ø 76 3" 6.444300250-1
Ø 100 4" 6.444300270-1



Portagomma diritto flangiato
Elbow

Ø 76 3" 6.861100030-2



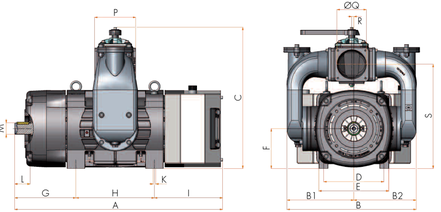
PM (100) TURBO **Pressione max assoluta bar 3 - psi 43,5** | *Max. operating absolute pressure bar 3 - psi 43,5*

Portata m³/h 780 - cfm 460 | *Flow rate m³/h 780 - cfm 460*

Codice
Code
6.211000030-1
6.211000020-1

Rotazione
Rotation
DX / RIGHT
SX / LEFT

Velocità di rotazione
Rotation speed
1500 RPM
1500 RPM



		A	B	B1 CCW	B1 CW	B2 CCW	B2 CW	C	D	E	F	G	H	I	K	L	M	P	Q	R	S	
PM100T	mm	808	502	259.5	242.5	242.5	259.2	565	234	272	155	238	305	265	M12	60	45	160	100	8.5	405	226 Kg
	in	31.8	19.8	10.2	9.5	9.5	10.2	23.0	9.2	10.7	6.1	9.4	12.0	10.4	M12	2.4	1.8	6.3	4"	0.3	15.9	498 lbs

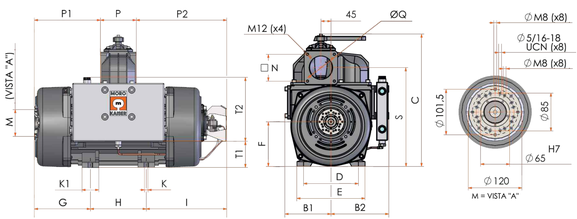
Raffreddamento ad aria forzata con ventole - Pompa di lubrificazione incorporata - Valvola di ritegno incorporata - Deviatore incorporato - Palette antiscintilla esenti amianto.
Dual fan air cooling - Incorporated lubricating pump - Incorporated check valve - Incorporated change-over valve - Asbestos-free spark-proof vanes.

PM (150) TURBO Portata m³/h 927 - cfm 546 | *Flow rate m³/h 927 - cfm 546*

Codice / *Code*
6.211005220-1
6.211005210-1

Rotazione / *Rotation*
DX / RIGHT
SX / LEFT

Velocità di rotazione / *Rotation speed*
1100 RPM
1100 RPM



		A	B	B1	B2	C	D	E	F	G	H	I	K	K1	N	P	P1	P2	Q	S	T1	T2	
PM150T	mm	860.5	465	206	259	593	245	305	200	250.5	250	360	16	65	120	160	295.5	405	100	442	117	286.5	240 Kg
	in	33.9	18.3	8.1	10.2	23.3	9.6	12.0	7.9	9.9	9.8	14.2	0.6	2.6	4.7	6.3	11.6	15.9	3.9	17.4	4.5	11.3	529 lbs

Altri accessori | *Other accessories*

Kit motore idraulico | *Hydraulic motor kit*

PM50T
43502100003

PM100T
6.881001120-2



Kit supporto e slitta con motore idraulico
Support and slide kit with hydraulic motor

PM70T - 6.871200360-2C

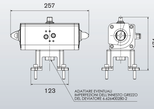
Depuratore a ciclone (valvola secondaria)
Cyclone moisture trap (secondary cut-off valve)

Ø 100 4"
6.344000220-2C



Kit comando pneumatico | *Pneumatic control kit*

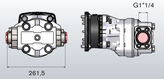
PM90T - PM150T | 43502100010



Kit motore idraulico
Hydraulic motor kit

PM90T
43502100009

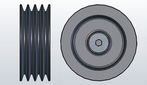
PM 150T
43502100006



Kit puleggia - *Pulley kit*

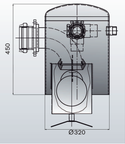
PM50T - PM70T - PM90T
PM150T
6.871200340-2C

PM100T
6.1010553-9-2



Valvola Primaria
Primary shut-off valve

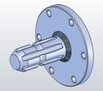
Ø 4" 100
6.840000010-2



Albero 1 3/8 | *1 3/8 Splined shaft*

6.871200380-2C

Modelli pompe | Pump models
PM50T - PM70T - PM90T - PM150T



Albero 1 3/8 | *1 3/8 Smooth shaft*

6.871200370-2

Modelli pompe | *Pump models*
PM50T - PM70T - PM90T - PM150T



Silenziatore con supporto (recupero olio)
Silencer with support (oil catch muffler)

PM100 - PM150T
Ø 4" 100 6.841100050-2C

