



PROFESSIONAL CAST IRON
PISTONS COMPRESSORS

SUPER STORMY
MPCL and MPCH series

1 to 10 HP - 10 and 15 bar
Base mounted and Tank mounted units



www.topptrykluft.dk

SUPER STORMY compressors

MARK fully cast iron compressors

Reliable and robust

The right choice for your application

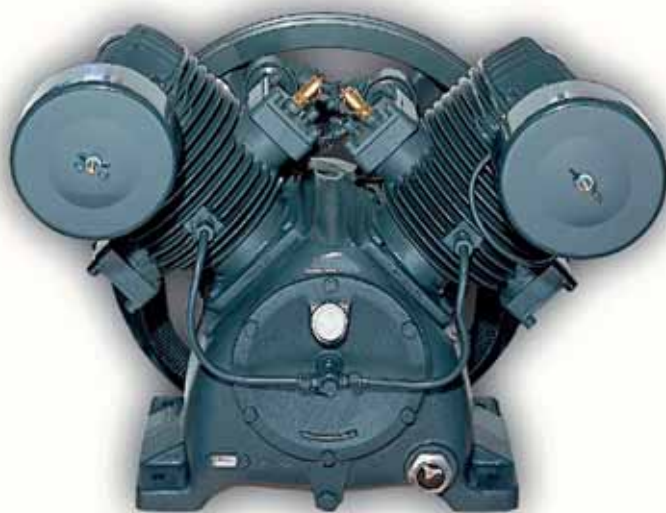
Quality and availability of compressed air is vital for your process or application.

MARK Super Stormy units have been designed for long service life and intensive use, with very low maintenance requirements. With quality parts and assembly, each detail has been checked and validated to provide you with a compressor that will run for years.

Super Stormy compressors are suitable for workshops, the automotive market (garage, body shops, etc.) as well as industrial applications, with hard working conditions or dirty atmosphere. Fully cast iron blocks with low running speed guarantee these units provide you with exceptional reliability and low noise level.

Available in base mounted and tank mounted versions, the Super Stormy units are ready to be connected to your compressed air system, with all security and regulating systems integrated within the machine.

With the Super Stormy range, you can rely on your compressor and focus on your business.



SUPER STORMY cast iron compressors

Tank mounted SUPER STORMY units

Thanks to the air receiver, tank mounted units are very flexible and can be easily installed and connected to your pipework system.

The air receiver, matched to block size, will ensure appropriate regulation of the units and constant availability of compressed air.

- 1 to 10 HP models.
- 230 or 400V supply according to versions.
- DOL start up to 4 HP.
- DOL or YD start from 5,5 to 10 HP.
- 10 and 15 bar versions.
- 60 to 500 LT vessels according to model size.
- Displacement 9,6 to 78 m³/h.



Base mounted SUPER STORMY units

With their compact design, base mounted units are ready to install and will easily find a space within a workshop environment.

Perfect if you currently have enough air storage capacity in your existing system.

- 1 to 10 HP models.
- 230 or 400V supply according to versions.
- DOL start up to 4 HP.
- DOL or YD start from 5,5 to 10 HP.
- 10 and 15 bar versions.
- Displacement 9,6 to 78 m³/h.



SUPER STORMY: details make the difference

The Super Stormy cast iron range consists of low running speed compressors, providing you with an exceptionally long service life, consistently high performance and low maintenance. All parts and details, as with all our product range, have been designed in order to give you full satisfaction and peace of mind.

The specific design of these units with well dimensioned cylinders and efficient cooling, allows the compressor to work at low speed, low temperature and low noise level (the most damaging factor for a piston compressor is high speed and high temperature).

CYLINDER HEADS

- Fully cast iron.
- Large fins for efficient cooling.

CYLINDERS ①

- Fully cast iron.
- Large fins for efficient cooling.
- Internal surface with molecular structure for improved lubrication and internal cooling, reduced absorbed power and erosion.
- Dimensional stability of casted parts allows constant, high performances.

CRANKCASE ⑤ ⑥

- Fully cast iron.
- Oil tank function with oil sight glass.
- Strong fixation to the frame.
- Lowers the point of gravity, providing stability and balance to the block.

FLYWHEEL ④

- Fully cast iron.
- Slow running.
- Large wings for efficient cooling.
- Inert flywheel function, to reduce energy consumption and provide high stability to the complete unit.

AIR FILTERS ② ③

- Large filters for low pressure drops.
- High quality air.
- Easy maintenance.

VALVES & PLATE ASSEMBLY

- Valve plate in cast iron.
- Large valves for low pressure drop and reduced absorbed power.
- Same material as the cylinders, reduces influence of expansion.

PISTON, CONNECTING ROD & CRANKSHAFT

- Crankshaft in cast iron.
- Slow running for reduced erosion, low temperature and long service life.

SUPER STORMY CAST IRON COMPRESSORS

- Ready to install
- Heavy duty
- Long service life



Cylinders ①



Air Filters (1 to 4 HP) ②



Air Filters (5,5 to 10 HP) ③



Flywheel ④



Crankcase ⑤



Oil sight glass ⑥

SUPER STORMY: details make the difference

Block configurations

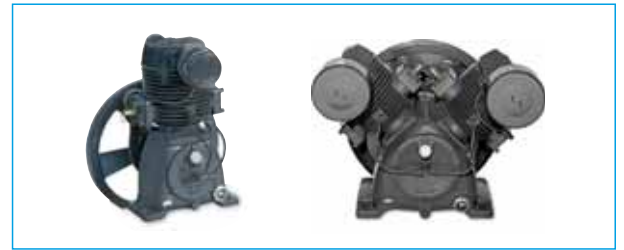


Single stage blocks – 10 bar units

- One cylinder or two cylinders in V configuration.
- Cylinders, crankcase, head and crankcase assembly in cast iron.
- Balanced flywheel and crankshaft in cast iron.
- High efficiency valves of concentric discs. Needle roller bearings.

Two stage blocks – 10 and 15 bar units

- One cylinder or two cylinders in V configuration.
- Same design and materials as single stage blocks.
- Differential blocks with two stages in one cylinder, which allows high performances due to the efficient cooling of the cylinders.
- Mechanical centrifugal unloader ensures vacuum start.



Complete units

Base mounted and tank mounted units have been designed with the same quality requirements as the compressor blocks.

The Super Stormy units integrate all required elements in a simple, efficient and robust way that will give you years of satisfaction.

All units are provided with a complete documentation pack including user manual and detailed spare parts list with 3D drawings.

Motor and regulation

All Super Stormy units are provided with cast iron IP55 motors insulation class F, for long life, high efficiency and reliability in hard working conditions.

Load/unload regulation is carried out through a pressure switch, the simplest and most efficient solution for piston compressors.



Belt guard

Steel belt guard, with service access to belts for maximum user protection.

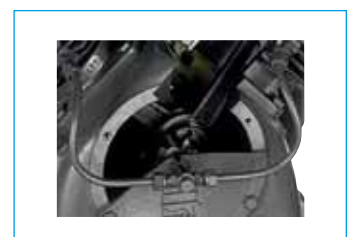


Centrifugal discharge system

All units have a discharge system that allows starting without counter-pressure.

Two stage units are equipped with a very reliable mechanical centrifugal system in order to blow-off air from the cylinders when the unit stops or starts.

Depending on the version, units can also be equipped with a blow-off solenoid valve.



SUPER STORMY tank mounted range



Drain tap

- Fully cast iron blocks.
- Uniquely engineered for low speed running (605 to 975 rpm).
- Regulation by pressure switch.
- Start-up in vacuum.
- IP55 motor insulation class F.
- Belt drive with steel guard.
- Large cast iron flywheel.
- Compact and stable.
- Ready to be installed and connected.
- Low noise level 69 to 78 dB(A).

TECHNICAL DATA



Description	Power		Supply	Start	Pressure Bar	Vessel l	Displ.		Speed RPM	Noise level dB (A)	Unit dimensions mm			Unit Weight kg
	HP	kW					l/1'	m³/h			L	W	H	
1 cylinder / 1 stage														10 bar units
MPCL 10/60	1	0,75	M/T	DOL	10	60	160	9,6	840	69	1065	362	730	78
MPCL 20/200	2	1,5	M/T	DOL	10	200	280	16,8	650	72	1445	500	997	146
MPCL 30/200	3	2,2	M/T	DOL	10	200	380	22,8	870	73	1445	500	997	147,5
2 cylinders / 1 stage (V type)														
MPCL 40/300	4	3	T	DOL	10	300	550	33	605	74	1690	520	988	193,5
MPCL 55/300	5,5	4	T	DOL/YD	10	300	700	42	840	75	1690	533	988	206
MPCL 55/500	5,5	4	T	DOL/YD	10	500	700	42	840	75	1971	620	1110	275,5
2 cylinders / 2 stages (V type)														
MPCL 75/500E	7,5	5,5	T	DOL/YD	10	500	830	49,8	975	76	1971	620	1131	301
MPCL 75/500	7,5	5,5	T	DOL/YD	10	500	1050	63	780	75	1971	620	1220	336,5
MPCL 100/500	10	7,5	T	DOL/YD	10	500	1300	78	965	77	1971	620	1220	341
1 cylinder / 2 stages														15 bar units
MPCH 30/300	3	2,2	T	DOL	15	300	350	21	800	73	1690	520	1078	164,5
MPCH 40/300	4	3	T	DOL	15	300	430	25,8	640	74	1690	520	1098	197
MPCH 55/300E	5,5	4	T	DOL	15	300	530	31,8	780	76	1690	520	1098	204
2 cylinders / 2 stages (V type)														
MPCH 55/300	5,5	4	T	DOL/YD	15	300	570	34,2	680	76	1690	533	1008	228
MPCH 75/450E	7,5	5,5	T	DOL/YD	15	450	800	48	965	77	1971	620	1131	301
MPCH 75/450	7,5	5,5	T	DOL/YD	15	450	935	56,1	700	76	1971	620	1220	333,5
MPCH 100/450	10	7,5	T	DOL/YD	15	450	1100	66	750	78	1971	620	1220	340

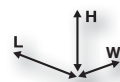
Supply: M = 230/1/50 T = 400/3/50
 Start: DOL = Direct On Line YD = Star Delta
 Compressed air outlet connection = ball valve G½" F

SUPER STORMY base mounted range



- Fully cast iron blocks.
- Uniquely engineered for low speed running (605 to 965 rpm).
- Regulation by pressure switch.
- Start-up in vacuum.
- IP55 motor insulation class F.
- Belt drive with steel guard.
- Large cast iron flywheel.
- Compact and stable.
- Easy to transport with forklift.
- Ready to be installed and connected.
- Low noise level 70 to 78 dB(A).

TECHNICAL DATA



Description	Power		Supply	Start	Pressure Bar	Vessel l	Displ.		Speed RPM	Noise level dB (A)	Unit dimensions mm			Unit Weight kg
	HP	kW					l/1'	m³/h			L	W	H	
1 cylinder / 1 stage														10 bar units
MPCL 10	1	0,75	M/T	DOL	10	-	160	9,6	840	70	675	328	440	55
MPCL 20	2	1,5	M/T	DOL	10	-	280	16,8	650	73	930	441	640	112,5
MPCL 30	3	2,2	M/T	DOL	10	-	380	22,8	870	74	930	441	640	115
2 cylinders / 1 stage (V type)														
MPCL 40	4	3	T	DOL	10	-	550	33	605	75	945	452	570	137,5
MPCL 55	5,5	4	T	DOL/YD	10	-	700	42	840	76	945	526	570	150
2 cylinders / 2 stages (V type)														
MPCL 75	7,5	5,5	T	YD	10	-	1050	63	780	76	1100	540	685	218,5
MPCL 100	10	7,5	T	YD	10	-	1300	78	965	78	1100	540	685	223
1 cylinder / 2 stages														15 bar units
MPCH 30	3	2,2	T	DOL	15	-	350	21	800	74	930	441	660	120,5
MPCH 40	4	3	T	DOL	15	-	430	25,8	640	75	930	441	675	125
2 cylinders / 2 stages (V type)														
MPCH 55	5,5	4	T	DOL/YD	15	-	570	34,2	680	77	965	447	590	158
MPCH 75	7,5	5,5	T	YD	15	-	935	56,1	700	77	1100	540	685	218
MPCH 100	10	7,5	T	YD	15	-	1100	66	750	78	1100	540	685	222

Supply: M = 230/1/50 T = 400/3/50
 Start: DOL = Direct On Line YD = Star Delta
 Compressed air outlet connection = ball valve G½"F

T O P P T R Y K L U F T A / S

All products MARK are designed and produced in conformity with current European directives.

98/37/CEE
MACHINERY DIRECTIVE

89/336/ CEE EMC
DIRECTIVE

73/23/ CEE
LOW TENSION DIR.

97/23/CEE
PED DIRECTIVE

87/404 - 90/488
93/68/CEE
SIMPLE PRESS. VESSELS DIR.

The manufacturer reserves the right to make any change to the products in order to improve.



According to



MARK



SOLD AT

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