

*hydromat*

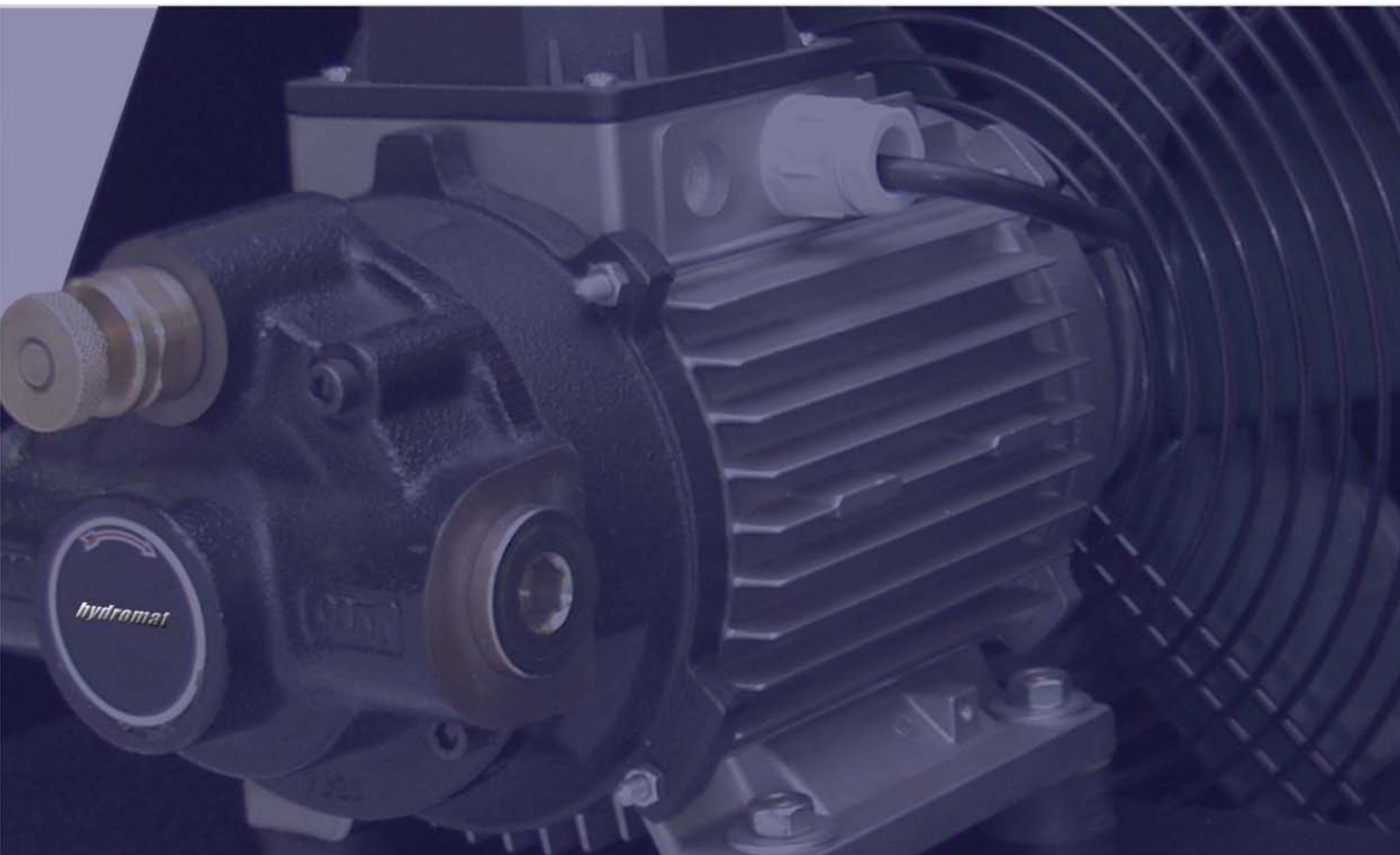
manufactured by Hydro-Material

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2004  
2004 NEWS

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## Introduction

Hydromat is an oil cooling unit with circulation pump and integrated by-pass valve. The unit is ideal for circuits where high pressure peaks and return flows make it impossible to attach the cooler to the hydraulic circuit. Typical fields of use are hydraulic power units and lubrication systems.

Please note:  
Units HM60 and HM100 can also be supplied with the more effective pump/motor combination (1kW/50 litres/min.)  
For further technical information, please contact our sales office.

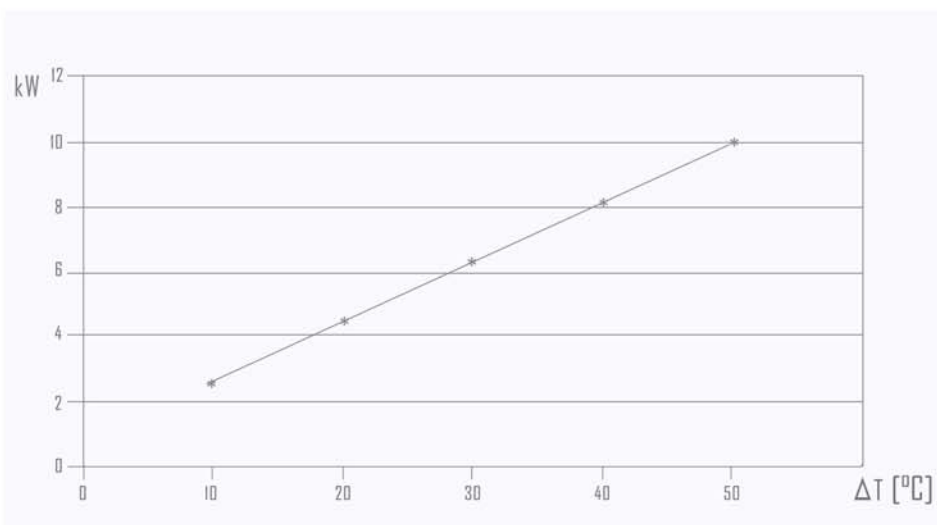


### HM60 PERFORMANCE CHART

Type	Motor	Fan	Flow rate	Qair/m <sup>3</sup> /h
HM60/1*	230V/50Hz 0,75kW/1400r/min.	Ø 300mm, **	30 litres/min.	2300
HM60/3	400V/50Hz 0,75kW/1450r/min.	Ø 300mm, **	30 litres/min.	2300

\* 1-phase motor only upon request

\*\* please mark "S" for sucking fan and "B" for blowing (example: HM60/3/S)



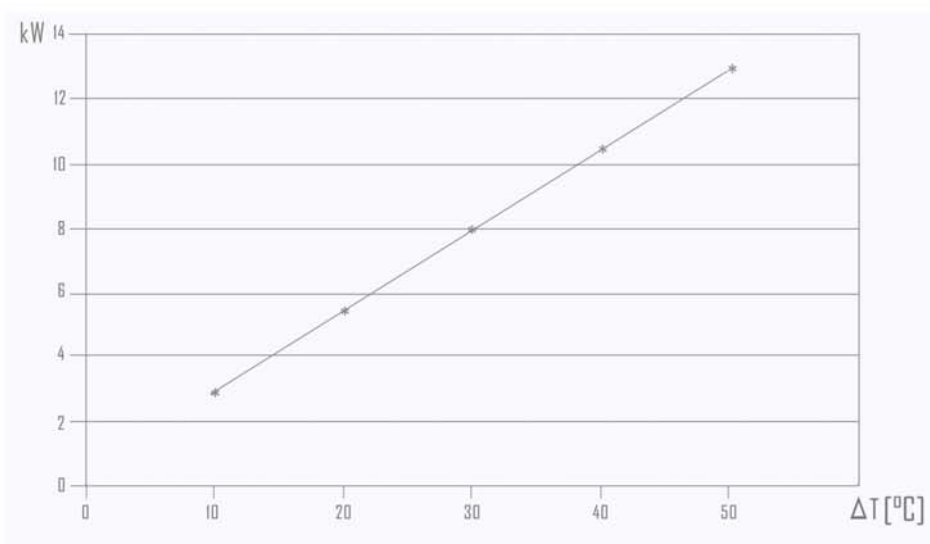
Qair at static pressure 3mm H<sub>2</sub>O

## HM100 PERFORMANCE CHART

Type	Motor	Fan	Flow rate	Qair/m <sup>3</sup> /h
HM100/1*	230V/50Hz 0,75kW/1400r/min.	Ø 300mm, **	30 litres/min.	2300
HM100/3	400V/50Hz 0,75kW/1450r/min.	Ø 300mm, **	30 litres/min.	2300

\* 1-phase motor only upon request

\*\* please mark S" for sucking fan and B" for blowing (example: HM100/3/S)



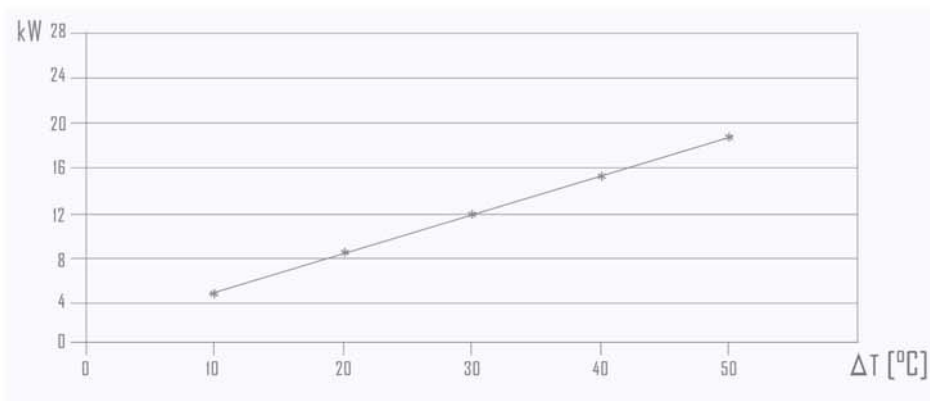
Qair at static pressure 3mm H<sub>2</sub>O

## HM150 PERFORMANCE CHART

Type	Motor	Fan	Flow rate	Qair/m <sup>3</sup> /h
HM150/1*	230V/50Hz 0,75kW/1400r/min.	Ø 300mm, **	30 litres/min.	2300
HM150/3	400V/50Hz 0,75kW/1450r/min.	Ø 300mm, **	30 litres/min.	2300

\* 1-phase motor only upon request

\*\* please mark S" for sucking fan and B" for blowing (example: HM150/3/S)

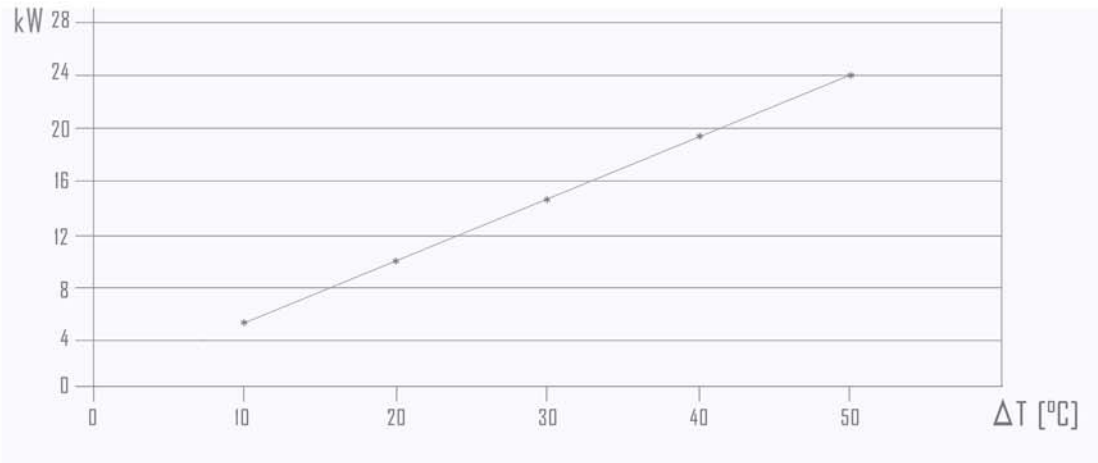


Qair at static pressure 3mm H<sub>2</sub>O

## HM150HD PERFORMANCE CHART

Type	Motor	Fan	Flow rate	Qair/m <sup>3</sup> /h
HM150HD/3	400V/50Hz 1kW/1450r/min.	Ø 300mm, **	50 litres/min.	2300

\*\* please mark S" for sucking fan and B" for blowing fan (example: HM150HD/3/S)



Qair at static pressure 3mm H<sub>2</sub>O

Type	A	B	c-c	C	D	E*
HM60	384	320	227	455 (405)	412	215
HM100	384	320	227	455 (405)	430	215
HM150	465	340	280	525 (485)	450	230
HM150HD	465	340	280	525 (485)	450	230

Measurements in millimeters

\* Suggested pump connection at the lower inlet.



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Subject to changes in technology and design