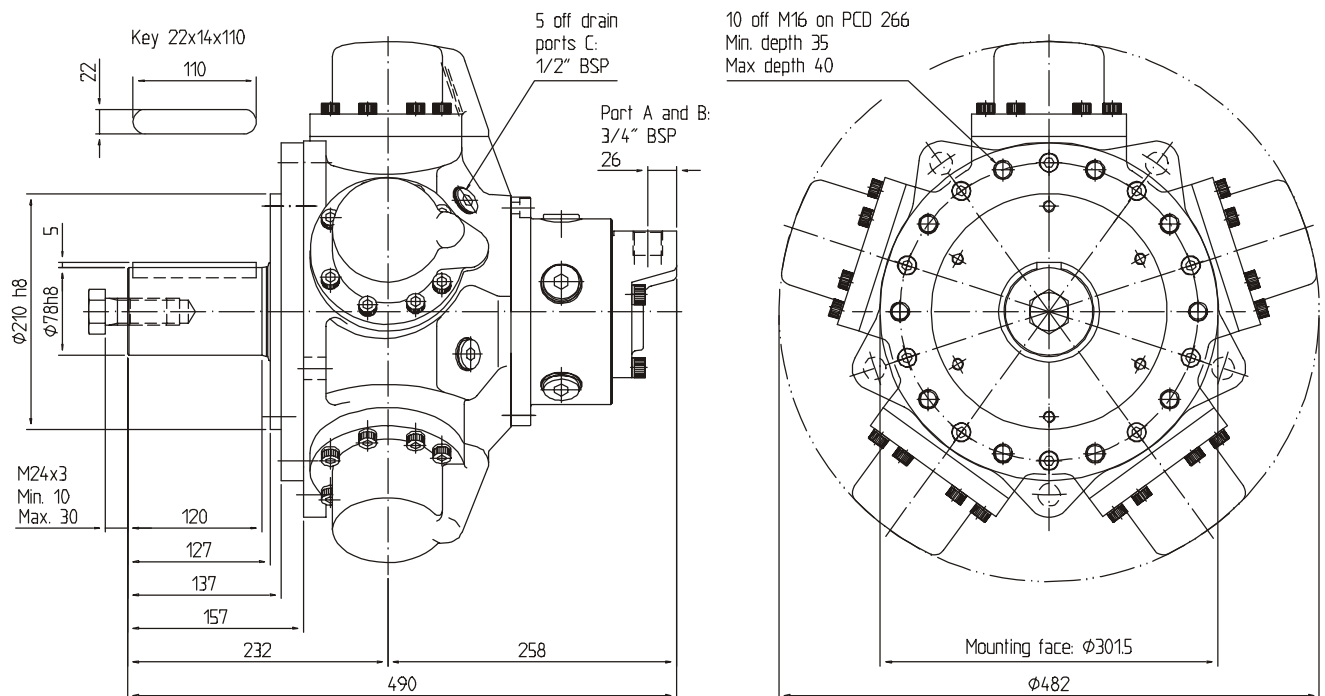


MOTOR TYPE HML5-1.0/1.4-1-P-3



OIL PORTS

Port A and B: 3/4" BSP

Drain ports C: 1/2" BSP

To ensure high oil level in motor casing, the drain line always to be connected the uppermost drain port.

ROTATION

Clockwise rotation view from shaft end side:

Connection B: oil inlet

Connection A: oil outlet

ALTERNATIVE SHAFT TYPES

Taper shaft and spline shaft. As option the shaft can be delivered in stainless steel material.

OPTIONAL

Flange type oil ports, e.g. SAE, is optional. All HML motor types can be delivered with load control valve and circulation valve for free-wheeling. Please contact us for more information.

Technical data:

	Displacement	Speed with oil delivery 300 l/min	1) Max working pressure, short duration	2) Working pressure, intermittent duty	3) Working pressure, continuous duty	4) Average specific starting torque	5) Specific running torque
METRIC	$\frac{\text{litre}}{\text{rev}}$	rpm	bar	bar	bar	$\frac{\text{Nm}}{\text{bar}}$	$\frac{\text{Nm}}{\text{bar}}$
US	$\frac{\text{In}^3}{\text{rev}}$	rpm	psi	psi	psi	$\frac{\text{lb-f-ft}}{\text{psi}}$	$\frac{\text{lb-f-ft}}{\text{psi}}$
HML5-1.0	1,03	292	340	300	220	13,7	15,2
	63	292	4930	4350	3190	0,70	0,77
HML5-1.4	1,36	220	340	300	220	18,1	20,1
	83	220	4930	4350	3190	0,92	1,02

1) For working periods of short duration e.g. manoeuvring of ship's hatches and capstans. Test pressure is 400 bar. Peak (shock) pressure up to 400 bar is allowed.

2) Recommended oil pressure for excavators, winches and normal transport equipment and various applications for intermittent duty.

3) Service life for the motors can be calculated with the lifetime formula, see motor catalogue.

4) See diagrams and more information in our motor catalogue.

5) 93% efficient.