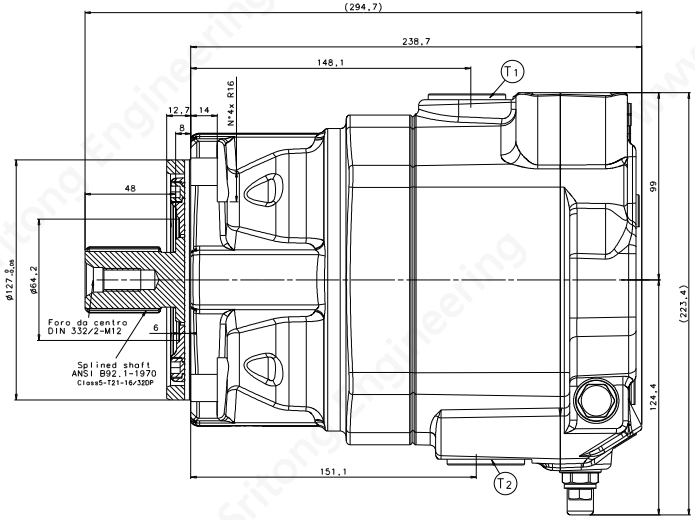
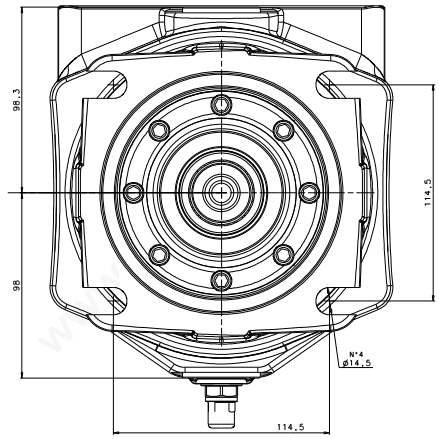
# PMH MCF90

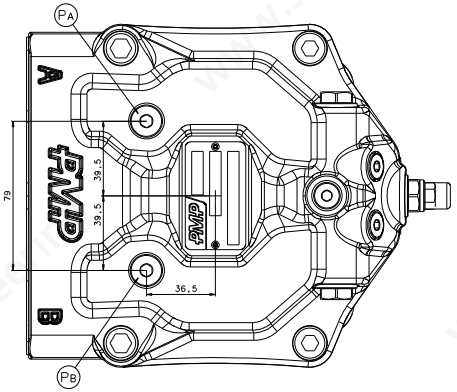
Motore a cilindrata fissa
(Fixed displacement motor)

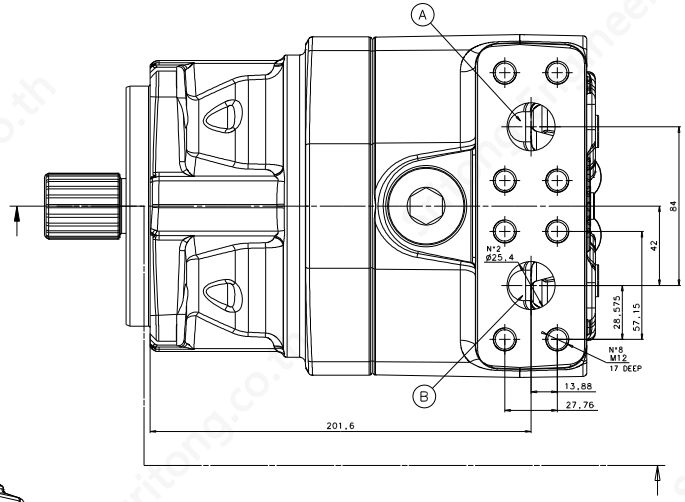
## DATI TECNICI (TECHNICAL DATA)

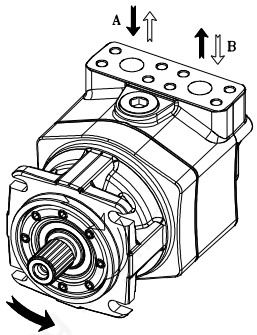
| | | | |
|---|---|---|---|
| Cilindrata (Displacement) | V | $cm^3$ | 89.2 |
| Velocità massima (Maximum speed) | $n_{max}$ | rpm | 4000 |
| Portata massima (Maximum flow) | $Q_{max}$ | L/min | 340 |
| Pressione nominale (Nominal pressure) | $p_{nom}$ | bar | 400 |
| Pressione massima (Peak pressure) | $p_{max}$ | bar | 450 |
| Potenza massima teorica (Theoretical Maximum power) | $P_{max}$ | kW | 180 |
| Coppia massima teorica (Thoretical Maximum torque) | $C_{max}$ | Nm | 570 |
| Portata di lavaggio (con p.minima a 20 bar) Flushing flowrate (with min.pressure at 20 bar) | - | L/min | 10 |
| Fluido idraulico consigliato (Advised hydraulic fluid) | - | - | Mineral Oil High Viscosity Index |
| Campo di viscosità in esercizio riferito alla temperatura del circuito - cicuito chiuso (Operating viscosity referred to the circuit temperature - closed circuit) | v | cSt | 16 ~ 36 |
| Viscosità massima - partenza a freddo intermittente (Maximum viscosity - short term at cold start) | $v_{max}$ | cSt | ≤1600 |
| Viscosità minima - alla temperatura massima (Minimum viscosity - short term at T max.) | $v_{min}$ | cSt | ≥7 |
| Grado di filtrazione minimo richiesto (Minimum purity of the fluid required) | - | - | ISO 18-16-13 / NAS7 |
| Massima temperatura del fluido in esercizio (Maximum working temperature of fluid) | $T_{max}$ | °C | 90 |
| Intervallo di temperatura ammissibile delle guarnizioni (Seals temperature permissible range) | ΔT | °C | -25 ~ +120 |
| Peso (fluido escluso) (weight - without fluid) | - | kg | 33.8 |

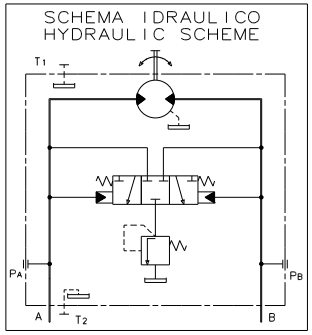


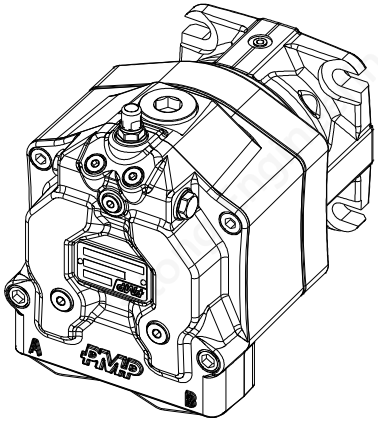



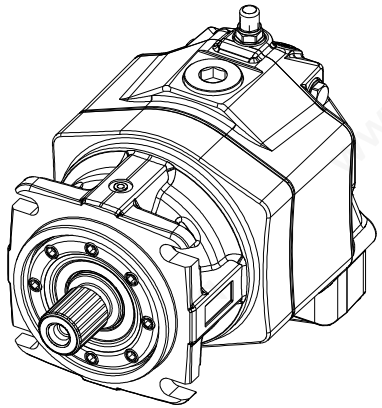



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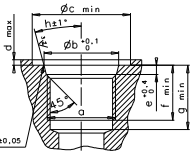
|---|---|
| Codice Prodotto<br>Product Code | MCL.9003.0 |
| Manuale Uso e Manutenzione<br>Service Manual | |
| Manuale Ricambi<br>Spare Parts Manual | |

| DESCRIZIONE PORTE<br>PORT DESCRIPTION | | | |
|---|---|---|---|
| A | Alimentazione motore<br>Motor Port | SAE 1" (High pressure range 6000PSI) | |
| T1<br>T2 | Drenaggi (*)<br>Drain Port (*) | M33x2 | (ISO 6149) |
| PA<br>PB | Porte per manometri<br>Pressure gauge port | M12x1.5 | (ISO 6149) |

(*) Collegare il drenaggio alla porta più alta
(*) Connect drain hose to upper port

PORTE ISO 6149
ISO 6149 PORTS

| a | b | c | d | e | f | g | h |
|---|---|---|---|---|---|---|---|
| M12x1.5 | 13.8 | 19 | 1.5 | 2.4 | 11.5 | 14 | 15 |
| M33x2 | 35.4 | 43 | 2.5 | 3.1 | 19 | 22.5 | 15 |

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|---|---|---|---|
| 1 | Trascodificato a serie | RT | 16/12/13 |

PMP INDUSTRIES
13/05/13 Sant 1.
FIXED DISPLACEMENT MOTOR
MCF90 V-C4-RS-21N-FF11-0
A0 1:1
A62.0144 1