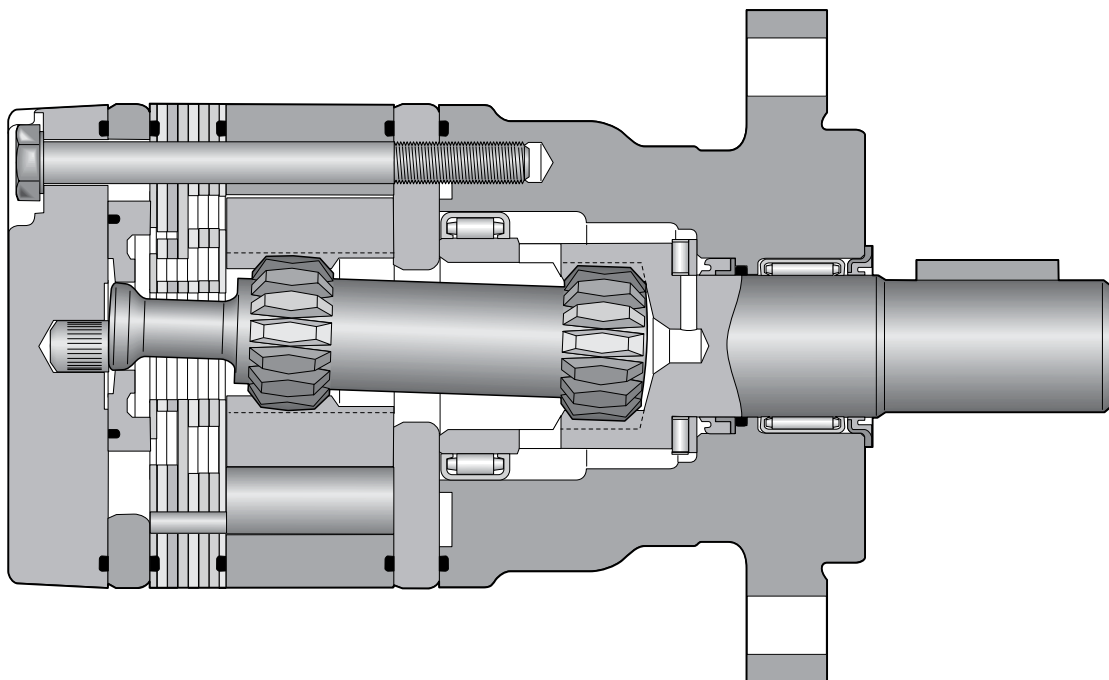


15 Displacements 15 Schluckvolumen 15 Cylindrée 15 Despazamientos	(2.2 – 24.0 in <sup>3</sup> /rev) 36 ... 390 cm <sup>3</sup> /rev	
Maximum Pressure Eingangsdruck Chaute de pression max. Presion Maxima	<b>Cont</b> (2030 psid) ...140 bar	<b>Int</b> (2750 psid) ...190 bar
Maximum Oil Flow Schluckstrom Débit d'huile Caudal Maximo de Aceite	(20 gpm) ... 75 lpm	
Maximum Speed Drehzahl Vitesse de rotation Velocidad Maxima	(1000 rpm) 1000 rpm	
Maximum Torque Max Drehmoment Couple Maxi Torque Maximo	<b>Cont</b> (4139 lb in) 467 Nm	<b>Int</b> (5728 lb in) 648 Nm
Maximum Side Load at Key Seitenlast Charges latérales Carga Maxima Lateral	(1500 lb) ... 6650 N	

### An Improved Medium Duty Low Speed, High Torque Motor

This medium duty motor has higher pressure ratings than the TB motor, for applications requiring higher torque. Robust roller bearings withstand higher side loads and are suitable for chain and sprocket shaft connections. It uses high pressure shaft seals, robust roller bearings and high flow shaft seal cooling.



**TE**

Series

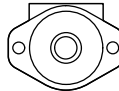
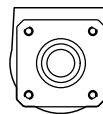
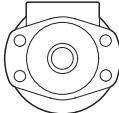

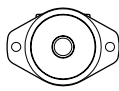
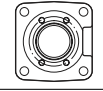
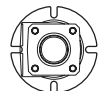

**XXXX**

Displacement  
 Schluckvolumen  
 Cylindrée  
 Desplazamiento

Code	cm <sup>3</sup> /U cm <sup>3</sup> /tr cm <sup>3</sup> /giro	in <sup>3</sup> /rev
0036	36 / 2.2	
0045	41 / 2.5	
0050	49 / 3.0	
0065	65 / 4.0	
0080	82 / 5.0	
0100	98 / 6.0	
0130	130 / 8.0	
0165	163 / 10.0	
0195	195 / 11.9	
0230	228 / 13.9	
0260	260 / 15.9	
0295	293 / 17.9	
0330	328 / 20.0	
0365	370 / 22.6	
0390	392 / 24.0	






**X**

Mounting  
 Gehäuse  
 Carter  
 Montaje


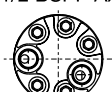
Code	Mounting
A	SAE "A" 2 Bolt, 
F	4 Bolt w/3/8-16 UNC 
M	Magneto 
C	SAE "A" 2 Bolt, Long Pilot 
B	SAE "B" 2 Bolt 
L*	Wheel Mount 
N	Midmount 
U*	Wheel Mount 7/8-14 SAE 

**X**

Ports  
 Anschluß  
 Plan de raccordement  
 Lumbreras

Code	Ports
M	5/16-18 UNC Manifold 
P	1/2-14 NPTF 
S	7/8-14 SAE 
W	G 1/2 BSPP 
N	M8 Manifold 

Rear Ports  
 Endanschluß  
 Alimentazione Laterale  
 Orifices arrière

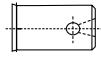










Code	Rear Ports
R	3/4-16 SAE O-ring Axial 
Y	G 1/2 BSPP Axial 

\*Not available with port codes M & N

For other available options, see pages 102–103.

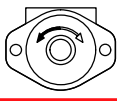

**XX**

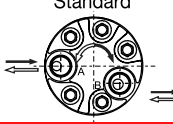
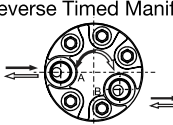
Shaft  
Welle  
Arbre  
Eje

Code	Shaft
09	1" Straight w/0.38" Crosshole 
10	1" Keyed, 
11	1" 6B Spline 
12	1" Tapered 
13	Long 1" Keyed 
21	1" Keyed; Corrosion Resistant 
25	1" Tapered 
26	25mm Keyed w/ 8mm Key 
28	7/8" 13 Tooth Spline 
41	Long 6B Spline 
70	1" Keyed; Stainless Steel 

**0**

Rotation  
Drehrichtung  
Direction de rotation  
Rotacion

Code	Rotation
0	Standard B ↑ ↓ A 
1	Reverse Timed Manifold B ↑ ↓ A 

Code	Rear Port Rotation
0	Standard 
1	Reverse Timed Manifold 

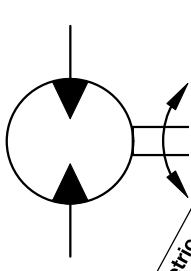
Rotation viewed from shaft end.

**XXXX**

Options  
Opciones

Code	Options
AAAA	Black Paint
AAAB	No Paint
AAAC	Double Paint
AAAF	Castle Nut, Black Paint
AABP	Castle Nut, No Paint
AAAG	Viton Seals, Black Paint
AAAH	Viton Seals, No Paint
AAAJ	Vespel Commutator Seal, Black Paint
AAFG	Vespel Commutator Seal, No Paint
AABJ*	Free Running Rotorset, Black Paint
AABK*	Free Running Rotorset, No Paint

\*Not applicable to TE0365 or TE0390 displacements



Motor Series TE	cm <sup>3</sup> /rev in <sup>3</sup> /rev	Int rev/min	cont / int*		cont / int*		max	cont / int*		max	cont / int*		
			l/min	g/min	bar	psid	bar	Nm	lb-in	KW	HP	Nm	lb-in
							psig						
TE 0036	36 2.2	1141	34 9	42 11	140 2030	190 2750	200 2900	54.6 483	71.1 630	8.5 11.4		44 389	52 460
TE 0045	41 2.5	1024	34 9	42 11	140 2030	190 2750	200 2900	71 624	99 876	10.4 13.9		44 411	64 565
TE 0050	49 3.0	1020	34 9	50 13	140 2030	190 2750	200 2900	90 796	127 1120	12.8 17.2		72 637	98 871
TE 0065	65 4.0	877	45 12	57 15	140 2030	190 2750	200 2900	125 1106	176 1558	14.7 19.8		100 885	137 1211
TE 0080	82 5.0	695	45 12	57 15	140 2030	190 2750	200 2900	160 1416	220 1947	17.3 23.2		128 1133	171 1515
TE 0100	98 6.0	582	45 12	57 15	140 2030	190 2750	200 2900	190 1682	264 2337	17.4 23.4		152 1345	205 1819
TE 0130	130 8.0	438	45 12	57 15	140 2030	190 2750	200 2900	255 2257	352 3116	17.3 23.2		204 1806	274 2423
TE 0165	163 10.0	348	45 12	57 15	140 2030	190 2750	200 2900	310 2744	436 3846	17.0 22.8		248 2195	338 2992
TE 0195	195 11.9	292	45 12	57 15	140 2030	190 2750	200 2900	390 3452	528 4673	17.4 23.4		312 2762	411 3637
TE 0230	228 13.9	328	57 15	75 20	120 1740	165 2400	200 2900	380 3363	514 4554	17.7 23.8		304 2691	411 3637
TE 0260	260 15.9	287	57 15	75 20	110 1595	155 2250	200 2900	400 3540	550 4870	16.7 22.4		320 2832	449 3977
TE 0295	293 17.9	256	57 15	75 20	100 1450	145 2100	200 2900	428 3784	582 5180	15.7 21.0		328 2903	445 3939
TE 0330	328 20.0	228	57 15	75 20	100 1450	135 1950	200 2900	443 3926	600 5312	14.8 19.8		344 3045	453 4014
TE 0365	370 22.6	203	57 15	75 20	95 1378	125 1825	200 2900	467 4133	648 5728	13.6 18.2		373 3301	477 4223
TE 0390	392 24.0	191	57 15	75 20	85 1233	120 1740	200 2900	445 3935	628 5562	12.5 16.8		348 3080	462 4090

Performance data based on testing using 10W40 oil with a viscosity of 43,1 cSt. (200 SUS) at 54° C (130° F). Performance data is typical. Actual data may vary slightly from one production motor to another.

Les données sur les performances sont basées sur des tests utilisant de l'huile 10W40 d'une viscosité de 200 SUS à 54°C (130°F). Ces données correspondent à des situations typiques. Les données réelles peuvent varier légèrement d'un moteur de production à l'autre.

Leistungsdaten sind gemessen mit SAE 10W40 bei einer Viskosität von 43,1 Cst bei 54°C. Geringfügige Abweichungen von den Katalogdaten sind möglich.

Datos técnicos obtenidos con aceite 10W40 de 200 SUS de viscosidad a 54°C (130°F). Los datos proporcionados son valores típicos. Los valores exactos reales podrían tener una pequeña variación entre distintos motores.

\* Intermittent operation rating applies to 10% of every minute.  
Intermittierende Werte maximal 10% von jeder Betriebsminute.  
Fonctionnement interm. 10% max. de chaque minute d'utilisation.  
Capacidad de funcionamiento intermitente valida para 10% por cada minuto.