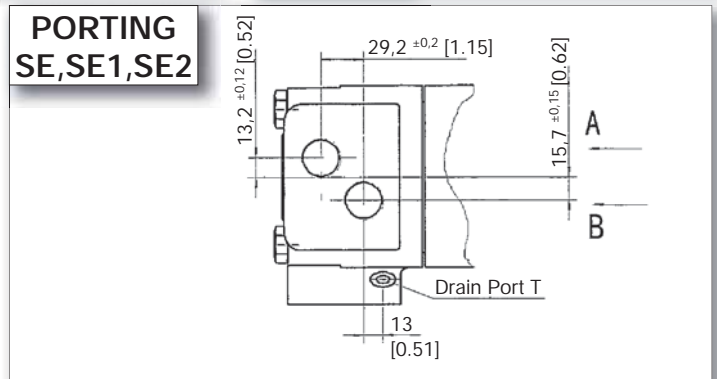
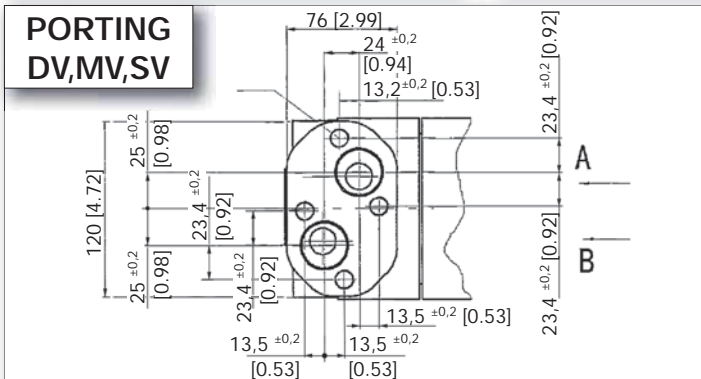
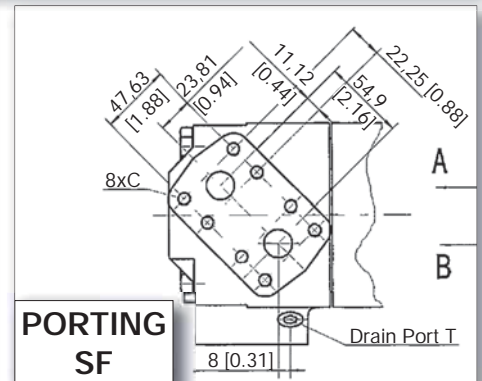
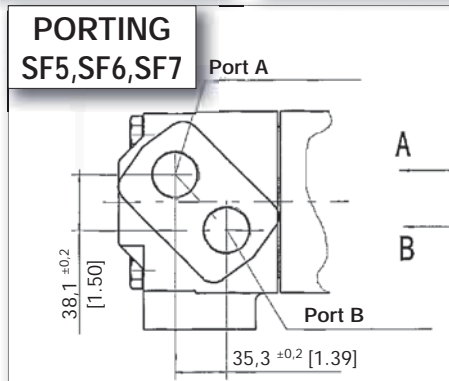
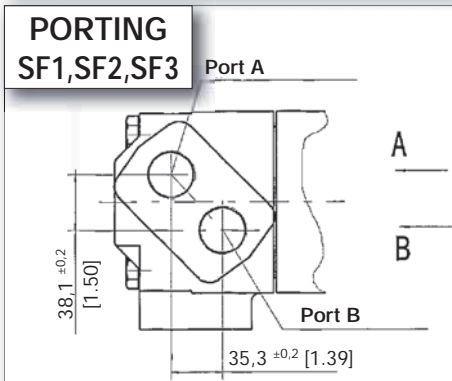
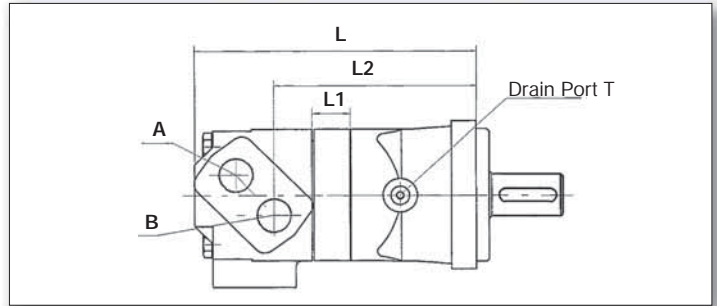
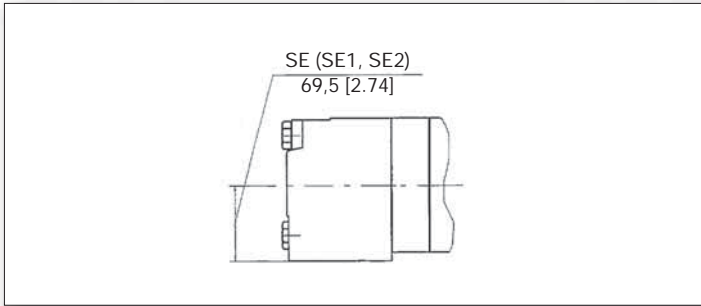


## SPECIFICATION DATA

- For individual motor performance charts consult equivalent YMT series data

DISTRIBUTION TYPE		YMTE 230	YMTE 250	YMTE 315	YMTE 400	YMTE 500	YMTE 630	YMTE 800	
GEOMETRIC DISPLACEMENT	[in <sup>3</sup> /rev.]	[14.19]	[15.37]	[19.92]	[25.08]	[31.96]	[38.39]	[48.93]	
	cm <sup>3</sup> /rev.	<b>232.5</b>	<b>251.8</b>	<b>326.3</b>	<b>410.9</b>	<b>523.6</b>	<b>629.1</b>	<b>801.8</b>	
MAX. SPEED RPM	RATED	412	381	294	228	183	150	121	
	CONT.	536	495	380	302	237	196	154	
	INT.	<b>643</b>	<b>592</b>	<b>458</b>	<b>364</b>	<b>284</b>	<b>233</b>	<b>185</b>	
MAX. TORQUE [IN. LB.] N*M	RATED	[IN.LB]	[4687]	[5147]	[6704]	[7924]	[9401]	[10,224]	[10,675]
		N*M	<b>530</b>	<b>582</b>	<b>758</b>	<b>896</b>	<b>1063</b>	<b>1156</b>	<b>1207</b>
	CONT.	[IN. LB.]	[5925]	[6430]	[8508]	[9684]	[11,011]	[11,656]	[12,948]
		N*M	<b>670</b>	<b>727</b>	<b>962</b>	<b>1095</b>	<b>1245</b>	<b>1318</b>	<b>1464</b>
	INT.	[IN. LB.]	[7261]	[7853]	[10,206]	[11,223]	[12,461]	[13,248]	[13,443]
		N*M	<b>821</b>	<b>888</b>	<b>1154</b>	<b>1269</b>	<b>1409</b>	<b>1498</b>	<b>1520</b>
MAX. OUTPUT [HP] KW	RATED	[HP]	[31.1]	[31.1]	[31.2]	[28.7]	[27.3]	[24.4]	[20.5]
		KW	<b>23.2</b>	<b>23.2</b>	<b>23.3</b>	<b>21.4</b>	<b>20.4</b>	<b>18.2</b>	<b>15.3</b>
	CONT.	[HP]	[46.5]	[46.2]	[46.8]	[41.8]	[38.6]	[33.9]	[29.8]
		KW	<b>34.7</b>	<b>34.5</b>	<b>34.9</b>	<b>31.2</b>	<b>28.8</b>	<b>25.3</b>	<b>22.2</b>
INT.	[HP]	[53.6]	[53.6]	[53.6]	[46.9]	[46.9]	[36.8]	[35.9]	
	KW	<b>40</b>	<b>40</b>	<b>40</b>	<b>35</b>	<b>35</b>	<b>27.5</b>	<b>26.8</b>	
MAX. PRES- SURE DROP [PSI] MPa	RATED	[PSI]	[2320]	[2320]	[2320]	[2175]	[2030]	[1740]	[1523]
		MPa	<b>16</b>	<b>16</b>	<b>16</b>	<b>15</b>	<b>14</b>	<b>12</b>	<b>10.5</b>
	CONT.	[PSI]	[2900]	[2900]	[2900]	[2610]	[2320]	[2030]	[1813]
		MPa	<b>20</b>	<b>20</b>	<b>20</b>	<b>18</b>	<b>16</b>	<b>14</b>	<b>12.5</b>
	INT.	[PSI]	[3480]	[3480]	[3480]	[3045]	[2610]	[2320]	[1885]
		MPa	<b>24</b>	<b>24</b>	<b>24</b>	<b>21</b>	<b>18</b>	<b>16</b>	<b>13</b>
PEAK	[PSI]	[4060]	[4060]	[4060]	[3480]	[3045]	[2755]	[2320]	
	MPa	<b>28</b>	<b>28</b>	<b>28</b>	<b>24</b>	<b>21</b>	<b>19</b>	<b>16</b>	
MAX. FLOW [GPM] L/MIN	RATED	[GPM]	[26.4]	[26.4]	[26.4]	[26.4]	[26.4]	[26.4]	[26.]
		L/MIN	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
	CONT.	[GPM]	[33]	[33]	[33]	[33]	[33]	[33]	[33]
		L/MIN	<b>125</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>125</b>
INT.	[GPM]	[39.6]	[39.6]	[39.6]	[39.6]	[39.6]	[39.6]	[39.6]	
	L/MIN	<b>150</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>150</b>	
MAX. INLET PRESSURE [PSI] MPa	RATED	[PSI]	[3045]	[3045]	[3045]	[3045]	[3045]	[3045]	[3045]
		MPa	<b>21</b>	<b>21</b>	<b>21</b>	<b>21</b>	<b>21</b>	<b>21</b>	<b>21</b>
	CONT.	[PSI]	[3045]	[3045]	[3045]	[3045]	[3045]	[3045]	[3045]
		MPa	<b>21</b>	<b>21</b>	<b>21</b>	<b>21</b>	<b>21</b>	<b>21</b>	<b>21</b>
	INT.	[PSI]	[3625]	[3625]	[3625]	[3625]	[3625]	[3625]	[3625]
		MPa	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>
PEAK	[PSI]	[4350]	[4350]	[4350]	[4350]	[4350]	[4350]	[4350]	
	MPa	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	
WEIGHT [LB] KG	[LB]	[45]	[45]	[46]	[48]	[52]	[53]	[55]	
	KG	<b>20.4</b>	<b>20.5</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	

## PORTING DATA

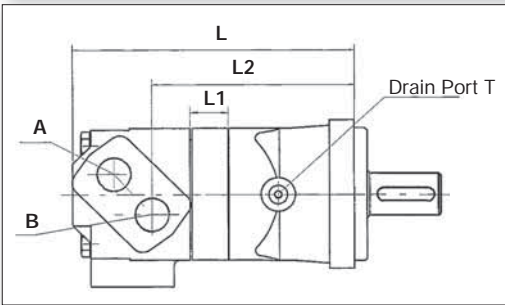


MODEL	[INCHES]			MILLIMETERS		
	L	L1	L2	L	L1	L2
YMTE 230	[9.39]	[0.48]	[6.48]	238.5	12	164.5
YMTE 250	[9.47]	[0.56]	[6.56]	240.5	14	166.5
YMTE 315	[9.71]	[0.79]	[6.80]	246.5	20	172.5
YMTE 400	[9.98]	[1.07]	[7.07]	253.5	27	179.5
YMTE 500	[10.30]	[1.38]	[7.39]	261.5	35	187.5
YMTE 630	[10.77]	[1.85]	[7.86]	273.5	47	199.5
YMTE 800	[11.20]	[2.29]	[8.29]	284.5	58	210.5

- Note:
- 1)The dimensional data for ports SF,SF1 and SF2 are as the chart indicates
  - 2) The dimensional data for ports DV,MV and SV are as followed: L dimension-16mm and L2 dimension + 6.5mm.
  - 3) The dimensional date for ports SE,SE1,SE2 and WE are as followed: L dimension -70mm and L2 dimension -52mm
  - 4)The thickness of the stator and rotor for displacements from 315-800 is the dimension of L1 + 7mm.

ORDER CODE	SF1 SF6	DEPTH	SF2 SF7	DEPTH	SF	DEPTH	DV	DEPTH	MV	DEPTH	SV SF3/SF5	DEPTH	SE	DEPTH	SE1	DEPTH	SE2	DEPTH
PORTS - A and B	M33X2	18 mm	G1	18 mm	3/4"	18 mm	G1	18 mm	M33X2	18 mm	1-5/16-12UN	18 mm	1-1/16-12UN	18 mm	1-1/16-12UN	18 mm	G3/1	18 mm
TANK PORT - T	M14X1.5	12 mm	G 1/4	12 mm	7/16-20UNF	12 mm	G 1/4	12 mm	M14X1.5	12 mm	7/16-20UNF	12 mm	9/16 UNF	12 mm	7/16-20UNF	12 mm	G 1/4	12 mm
BOLTS - C	-	-	-	-	8X3/8-16UNC	-	4XM12	-	4XM12	-	-	-	-	-	-	-	-	-

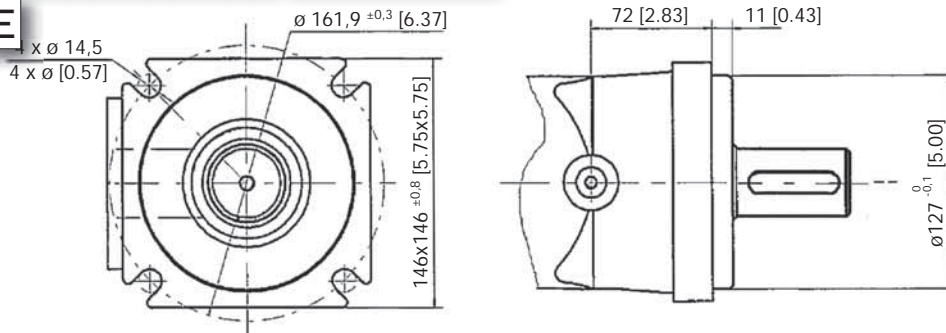
## MOUNTING FLANGE DATA



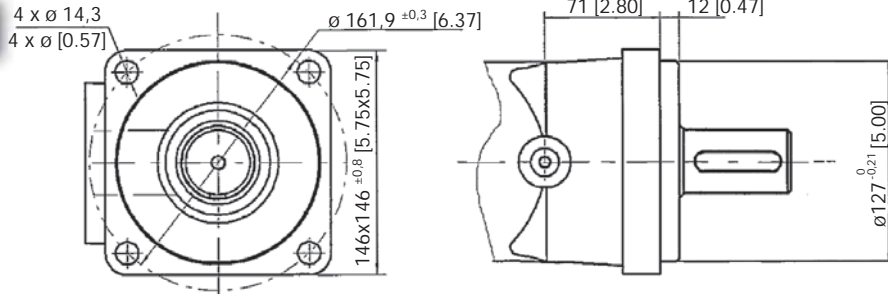
**NOTE:**  
THE THICKNESS  
OF THE STATOR  
AND ROTOR FOR  
DISPLACEMENTS  
315-800 IS THE  
DIMENSION OF  
L1 + 7 MM

MODEL	[INCHES]			MILLIMETERS		
	L	L1	L2	L	L1	L2
YMTE 230	[9.39]	[0.48]	[6.48]	238.5	12	164.5
YMTE 250	[9.47]	[0.56]	[6.56]	240.5	14	166.5
YMTE 315	[9.71]	[0.79]	[6.80]	246.5	20	172.5
YMTE 400	[9.98]	[1.07]	[7.07]	253.5	27	179.
YMTE 500	[10.30]	[1.38]	[7.39]	261.5	35	187.5
YMTE 630	[10.77]	[1.85]	[7.86]	273.5	47	199.5
YMTE 800	[11.20]	[2.29]	[8.29]	284.5	58	210.5

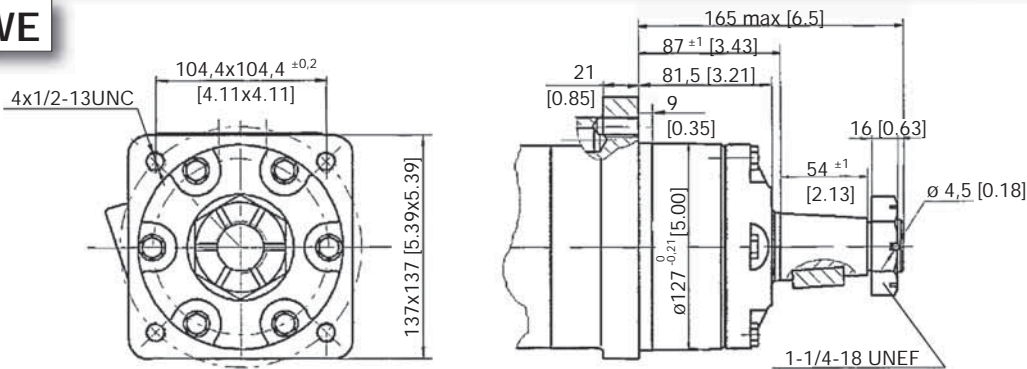
### FLANGE B2E



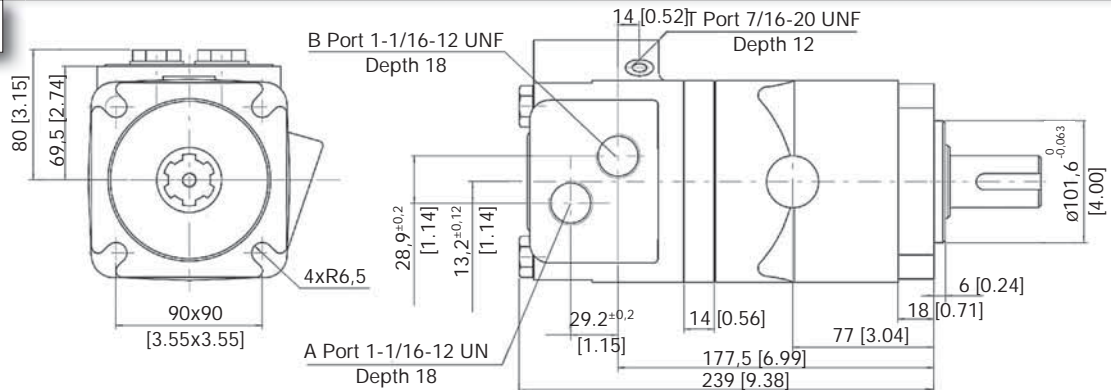
### FLANGE CC



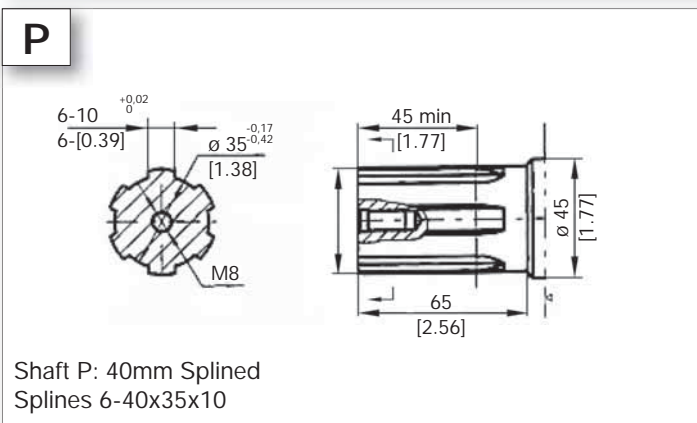
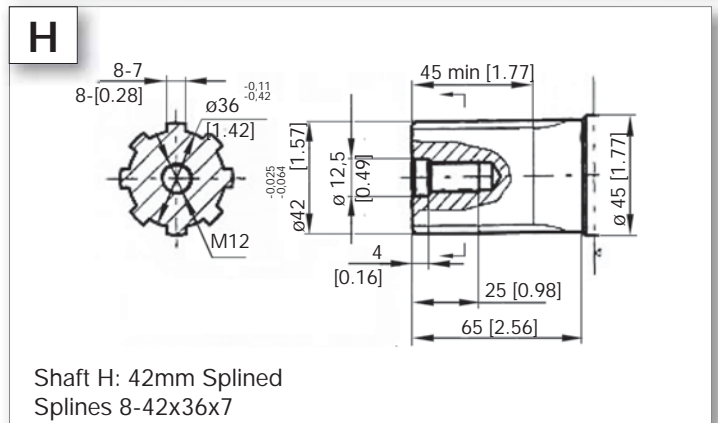
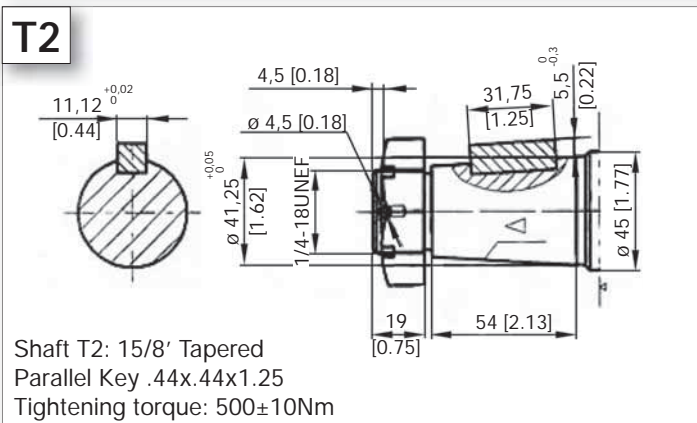
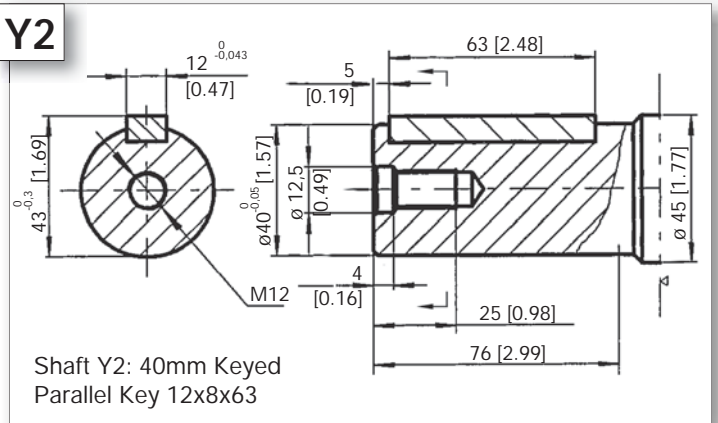
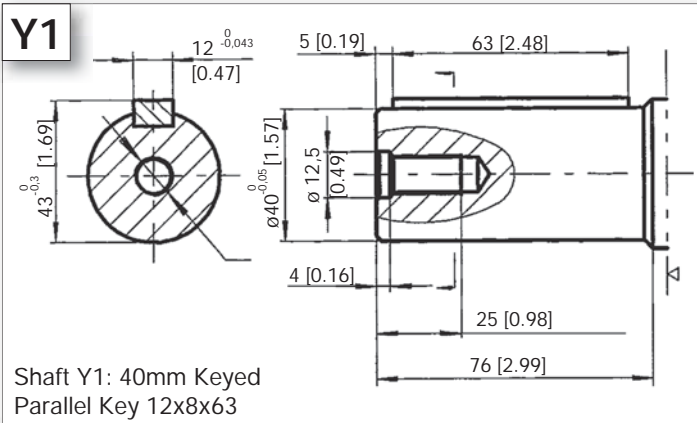
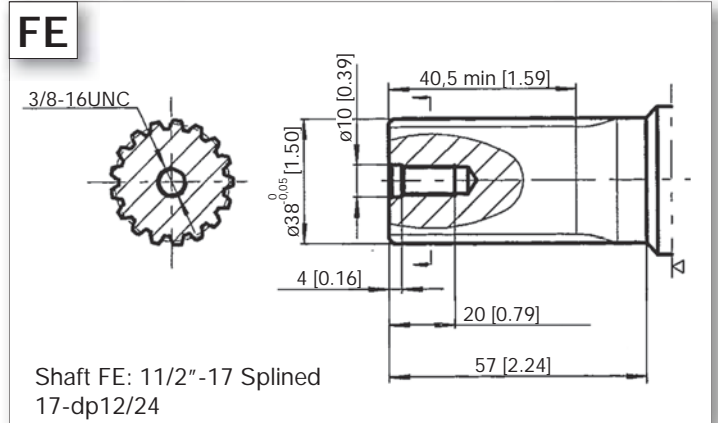
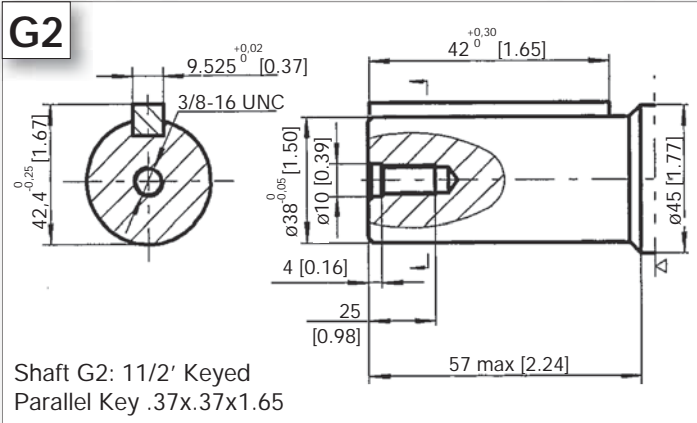
### FLANGE WE



### FLANGE B2E

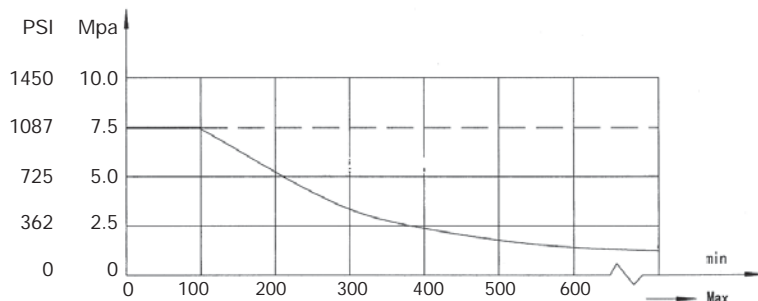
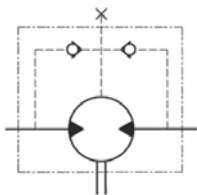


## MOTOR SHAFT EXTENSIONS



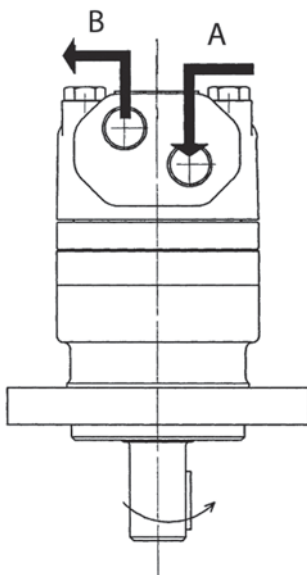
## ADDITIONAL DATA

### PERMISSIBLE SHAFT SEAL PRESSURE



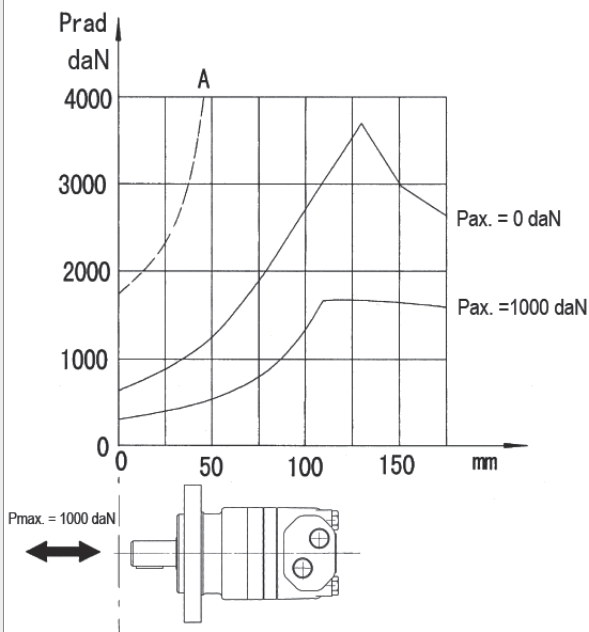
IN APPLICATIONS WITHOUT A DRAIN LINE, THE PRESSURE EXERTED ON THE SHAFT SEAL WILL EXCEED THE PRESSURE IN THE RETURN LINE.  
IN APPLICATIONS USING A DRAIN LINE, THE PRESSURE ON THE OUTPUT SHAFT SEAL CAN EQUAL THE PRESSURE IN DRAIN LINE.

### DIRECTION OF SHAFT ROTATION



WHEN FACING SHAFT END OF MOTOR, SHAFT TO ROTATE:  
CLOCKWISE WHEN PORT "A" IS PRESSURIZED. COUNTER CLOCK-  
WISE WHEN PORT "B" IS PRESSURIZED.

### AXIAL AND RADIAL FORCE



The output shaft is mounted on tapered roller bearings that permit high radial and axial loads. Curve "A" shows MAX radial shaft loads. Any shaft load exceeding the values quoted in the curve could determine premature failure of the shaft, bearings or other parts. The other curves show a B10 life of 3000 Hours and 200 RPM.

## ORDERING INFORMATION

	1	2	3	4	5	6	7
YMTE							

1	2		3		4		5		6		7	
DISP.	FLANGE		OUTPUT SHAFT		PORT AND DRAIN PORT		ROTATION DIRECTION		PAINT		SPECIAL OPTIONS	
230	CC	4-Ø14.3 Square-flange Ø161.9 pilot Ø127X12	G2	11/2" KEYED PARALLEL KEY .37X.37X1.65	SF	3/4' MANIFOLD MOUNT, 8-3/8-16UNC 7/16-20UNF	NONE	STANDARD	00	NO PAINT	NONE	STANDARD
250	KV	4-Ø14.5 Square flange Ø161.9 Ø127x9	FE	11/2"-17 SPLINED 17-DP 12/24	SF1	M33 X 2, M14 X 1.5	R	OPPOSITE	NONE	BLUE	FR	FREE RUNNING
315	WE	4-Ø18 Wheel-flange Ø 147, pilot Ø 127x9	Y1	40MM KEYED PARALLEL KEY 12X8X63	SF2	G1,G1/4			B	BLACK	LL	LOW LEAKAGE
400	B2E	4-6.5 Square Flange 101.6 [4.00] Pilot	Y2	40MM KEYED PARALLEL KEY 12X8X63	SE	1-1/16-12UNF ORING 9/16-18 UNF			S	SILVER GRAY	LSV	LOW SPEED VALVE
500			T2	15/8" TAPERED PARALLELKEY .44X.44X1.25	SE1	1-1/16-12UNF ORING 7/16-20UNF					CRS	CORROSION RISTANT SHAFT
630			H	42MM SPLINED 8-42X36X7	SE2	G3/4, G1/4					HPS	HIGH PRESSURE SEAL
800			P	40MM SPLINED 6-40X35X10	DV	G1,MANIFOLD MOUNT 4-M12, G1/4					HTS	HIGH TEMP SEAL
					MV	M33X2, MANIFOLD MOUNT, 4-M12,M14X1.5						
					SV	1-5/16-12UNF ORING 7/16-20UNF						
					SF3	1-5/16-12UNF 7/16-20UNF						
					SF5	1-5/16-12 O-ring 7/16-20 UNF on rear cover						
					SF6	M33x2, M14x1.5						
					SF7	G1, G 1/4						

Ordering code:

All options have been determined with letters, numbers or combinations. All boxes must be filled with proper codes. If specification is not in the table , please contact us with your specific requirements.