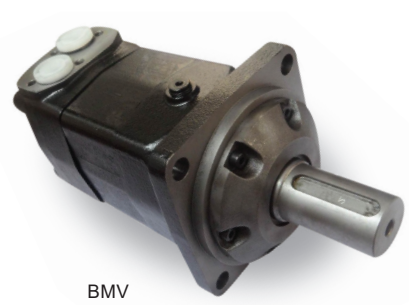
BMV IS A DISC VALVE, HIGH PRESSURE MOTOR, WITH RADIAL BALL-BEARINGS DESIGN AND EFFICIENT PERFORMANCE WHICH CAN BEAR GREATER LOAD THAN BMT. ITS FIGURATION IS BIGGER THAN **BMT**.

CHARACTERISTIC FEATURES

- THE MOTOR CAN BE USED IN HIGH PRESSURE AND HIGH TORQUE
- ADVANCED DESIGN IN DISC DISTRIBUTION FLOW,WHICH CAN PROVIDE IMPROVED PERFORMANCE AT LOW SPEED
- THE VALVE CAN AUTOMATICALLY COMPENSATE FOR THE WEAR, SO THE VOLUMETRIC EFFICIENCY IS HIGH
- DOUBLE TAPER ROLLER BEARINGS PERMIT HIGH RADIAL LOADS. THE MOTORS CAN BE USED ON HEAVIER VEHICLES IN TRACTION DRIVE APPLICATIONS



BMV

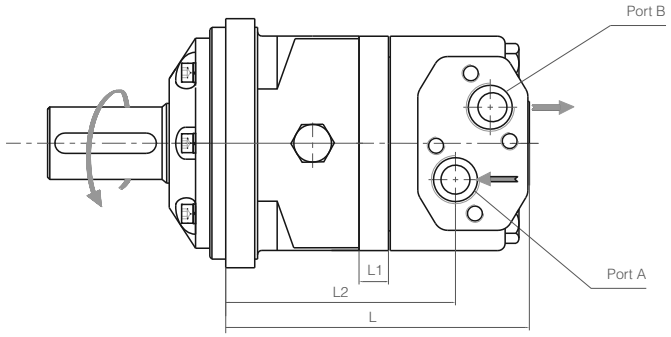
MAIN SPECIFICATIONS

DISPLACEMENT IN³ (CM³) / REV.		19.2 (315)	24.3 (400)	30.4 (500)	38.4 (630)	48.7 (800)	60.9 (1000)
FLOW (GPM)	CONT.	42	53	53	53	53	53
	INT.	53	63	63	63	63	63
SPEED (RPM)	CONT.	510	500	400	320	250	200
	INT.	630	600	480	380	300	240
PRESSURE (PSI)	CONT.	3045	3045	3045	3045	3045	3045
	INT.	3625	3625	3625	3625	3625	3625
TORQUE (LB-IN)	CONT.	7213	10502	13039	14869	15824	17813
	INT.	9892	12659	15611	17371	17689	20155
LENGHT (IN)	L1	0.937	1.220	1.535	2.004	2.579	3.209
	L2	6.370	6.654	6.969	7.437	8.012	8.642
	L	8.378	8.661	8.976	9.445	10.020	10.650

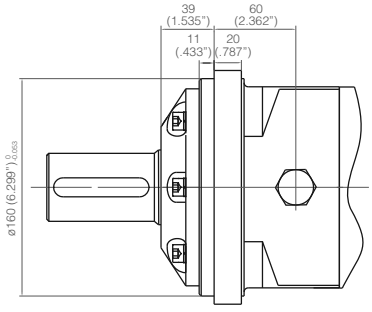
NOTES 1. CONTINUOUS DATA: THE MAX. VALUE OF OPERATING MOTOR CONTINUOUSLY.
2. INTERMITTENT DATA: THE MAX. VALUE OF OPERATING MOTOR IN 6 SECONDS PER MINUTE.
3. A SIMULTANEOUS MAX. RPM AND MAX. PRESSURE IS NOT RECOMMENDED.
4. THE CONVERSION FACTORS IS ON THE PAGE 4, CONSULT IT PLEASE.
5. OPTIMUM OPERATING SITUATION SHOULD BE AT THE 1/3~2/3 OF THE CONTINUOUS OPERATING SITUATION.

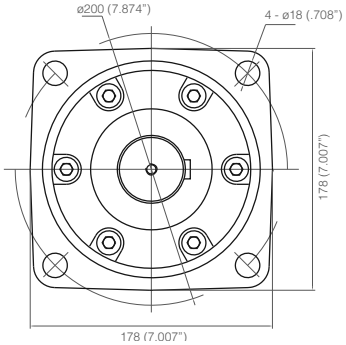
DIMENSIONS

BMV



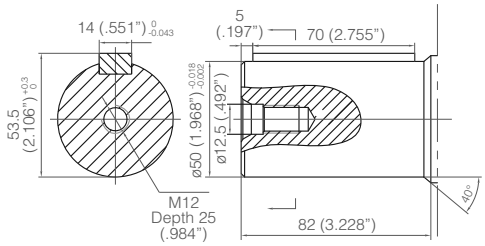
MOUNTING FLANGES





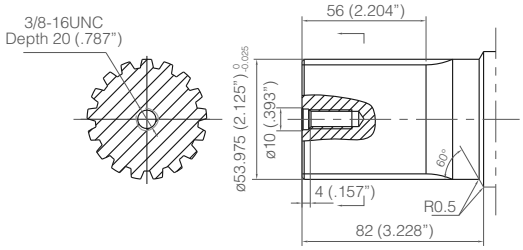
SHAFT TYPE

Shaft A



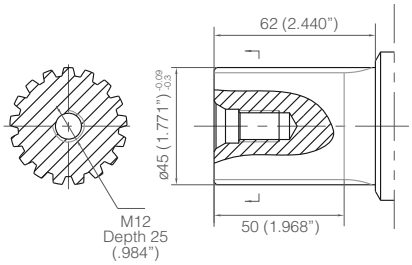
Cylinder shaft: ø50 (1.968")
Parallel key: 14x9x70 (.551"x.354"x2.755")
Link thread: M12

Shaft B



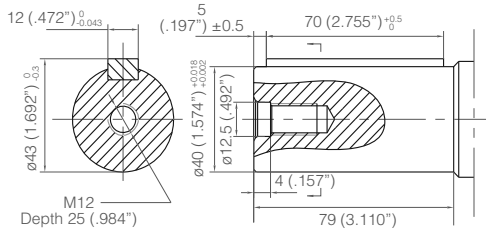
Involute spline shaft: ø53.975 (2.125"),
16 teeth, DP8/16, Effective length 56 (2.204")
Link thread: 3/8-16UNC Depth 20 (.787")

Shaft D



Involute spline shaft: ø45x62 (1.771"x2.440"),
17 teeth, m2.5, Effective length 50 (1.968")
Link thread: M12 Depth 25 (.984")

Shaft E



Cylinder shaft: ø40x79 (1.574"x3.110")
Parallel key: 12x8x70 (.472"x.123"x2.755")
Link thread: M12 Depth 25 (.984")