

BMT Series hydraulic orbit motor

BMT-Replace with Danfoss OMT Series, M+S EPMT/ MLHT Series

BMTE-Replace with Eaton 4000 Series M04 Type

BMTS/BMTJ-No Output Shaft Type

Parameters

Type		BMT BMTE- 160	BMT BMTE- 200	BMT BMTE- 250	BMT BMTE- 315	BMT BMTE- 400	BMT BMTE- 500	BMT BMTE- 630	BMT BMTE- 800
Displacement		161.1	201.4	251.8	326.3	410.9	523.6	629.1	801.8
Max. speed (rpm)	cont.	625	625	536	380	305	240	196	154
	int.	780	750	643	460	365	285	233	185
Max. torque (N·m)	cont.	470	590	670	950	1080	1220	1318	1464
	int.	560	710	821	1140	1260	1370	1498	1520
	peak	669	838	958	1346.3	1450.3	1643.8	1618.8	1665
Max. output (KW)	cont.	27.7	34.9	34.7	34.9	31.2	28.8	25.3	22.2
	int.	32	40	40	40	35	35	27.5	26.8
Max. pressure drop (Mpa)	cont.	20	20	20	20	18	16	14	12.5
	int.	24	24	24	24	21	18	16	13
	peak	28	28	28	28	24	21	19	16
Max. flow (L/min)	rated	80	100	100	100	100	100	100	100
	cont.	100	125	125	125	125	125	125	125
	int.	125	150	150	150	150	150	150	150
Max. inlet pressure (Mpa)	cont.	21	21	21	21	21	21	21	21
	int.	25	25	25	25	25	25	25	25
	peak	30	30	30	30	30	30	30	30
Weight(kg)		19.5	20	20.4	21	22	23	24	25

Selection

1	2	3	4
Series	Displacement	Flange	Output shaft
BMT	160	Code 4: 4-Ø14 Square-flange, Ø160, pilot Ø 125×9 Code K6: 4-Ø14.5 Square-flange, Ø162, pilot Ø 127×9 Code W: 4-Ø18 Wheel-flange, Ø200, pilot Ø 160×7	Code M: Shaft Dia Ø40, Parallel key 12×8×70
	200		Code G: Shaft Dia Ø38.1, Parallel key 9.52×9.52×57.15
	250		Code F: Shaft Dia Ø38.1, Splined tooth 17-DP12/24 (US version)
	315		Code FD: Shaft Dia Ø38.1, Splined tooth 17-DP12/24 (Europe version)
	400		Code T: Shaft Dia Ø 45 Cone shaft 1:10, Parallel key 12×8×28
	500		Code T1: Shaft Dia Ø 45 Cone shaft 1:8, Parallel key 11.13×11.13×31.75
	630		Code SL: Shaft Dia Ø34.85, Splined key 6-34.85×28.14×8.64
800	Code G1: Shaft Dia Ø31.75, Parallel key 7.95×7.95×40		
BMTS	160-800	Code D: 4-Ø14 Circle-flange, Ø160, pilot Ø125×8 Code E: 4-Ø14.5 Square-flange, Ø 162, pilot Ø127×10	Omit : Short shaft 16-DP12/24