

ISSUED 16-Jan-18	PERFORMANCE DATA 3-PHASE LOW VOLTAGE PERMANENT MAGNET MOTORS	MODEL DVEM
REVISED 9-Nov-18		

TEFC, NEMA T-FRAME,
CLASS F, 40°C AMBIENT, CONTINUOUS DUTY,
S.F. 1.0 460V

TYPICAL PERFORMANCE

(460 V)

OUTPUT		RPM	FRAME NO.	TORQUE		CURRENT		INDUCED VOLTAGE CONSTANT (V/krpm)	Eff. (%)
kw	HP			RATED (Nm)	MAX. (Nm)	RATED (Arms)	MAX. (A _{rms})		
0.75	1	1200	145T	5.9	7.1	1.5	1.8	258.0	84.0
		1800	143T	4.0	4.7	1.5	1.8	172.0	85.5
		3600	143T	2.0	2.4	1.5	1.8	88.8	82.5
1.1	1.5	1200	182T	8.8	10.5	2.2	2.6	267.3	88.5
		1800	145T	5.8	7.0	2.3	2.8	169.1	87.5
		3600	143T	2.9	3.5	2.2	2.6	90.6	85.5
1.5	2	1200	184T	11.9	14.3	2.9	3.5	267.3	89.5
		1800	145T	8.0	9.5	3.0	3.6	174.6	88.5
		3600	145T	4.0	4.8	3.0	3.6	90.6	86.5
2.2	3	1200	213T	17.8	21.4	4.4	5.3	267.3	90.2
		1800	182T	11.9	14.2	4.5	5.4	180.8	91.0
		3600	182T	5.9	7.1	4.4	5.3	88.1	88.5
3.7	5	1200	215T	29.7	35.6	7.0	8.4	273.6	90.2
		1800	184T	19.8	23.7	7.0	8.4	180.8	91.0
		3600	184T	9.9	11.9	7.1	8.5	90.4	89.5
5.5	7.5	1200	254T	43.8	52.5	10.2	12.2	274.7	91.7
		1800	213T	29.2	35.0	10.1	12.1	188.7	92.4
		3600	213T	14.6	17.5	11.0	13.2	88.1	90.2
7.5	10	1200	256T	59.7	71.6	14.5	17.4	271.7	92.4
		1800	215T	39.8	47.7	14.5	17.4	180.5	92.4
		3600	215T	19.9	23.9	14.0	16.8	94.4	91.7
11	15	1200	284T	87.5	105.0	20.0	24.0	282.1	93.0
		1800	254T	58.4	70.0	20.0	24.0	190.2	93.6
		3600	254T	29.2	35.0	20.0	24.0	94.1	92.4
15	20	1200	286T	119.4	143.2	27.5	33.0	278.5	93.0
		1800	256T	79.6	95.5	28.0	33.6	181.1	94.1
		3600	256T	39.8	47.7	26.5	31.8	95.1	92.4
18.5	25	1200	324T	147.2	176.7	---	---	---	---
		1800	284T	98.1	117.8	33.0	39.6	192.4	94.5
		3600	284TS	49.1	58.9	33.5	40.2	94.0	93.0
22	30	1200	326T	175.1	210.1	---	---	---	---
		1800	286T	116.7	140.1	39.5	47.4	190.5	94.5
		3600	286TS	58.4	70.0	39.5	47.4	96.2	93.0

NOTE : 1. Efficiency, speed and torque are the same for other voltages.
Current values and induced voltage constant vary inversely with voltage.



APPD.	L.S.Hung	9-Nov-18	TECO Electric & Machinery Co., Ltd.	DWG. NO.	31057D69002
CHKD.	mingte	9-Nov-18		REV. 01	
DWN.	mingte	9-Nov-18		1/2	

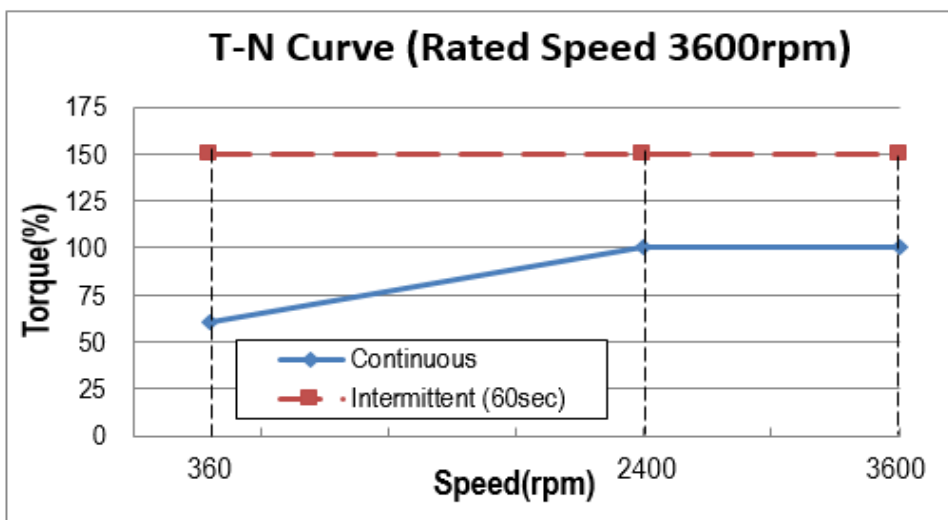
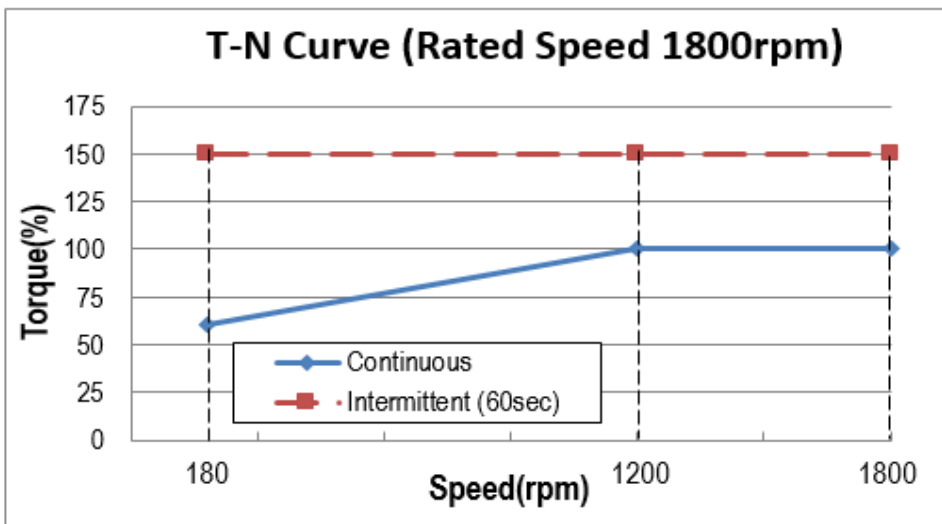
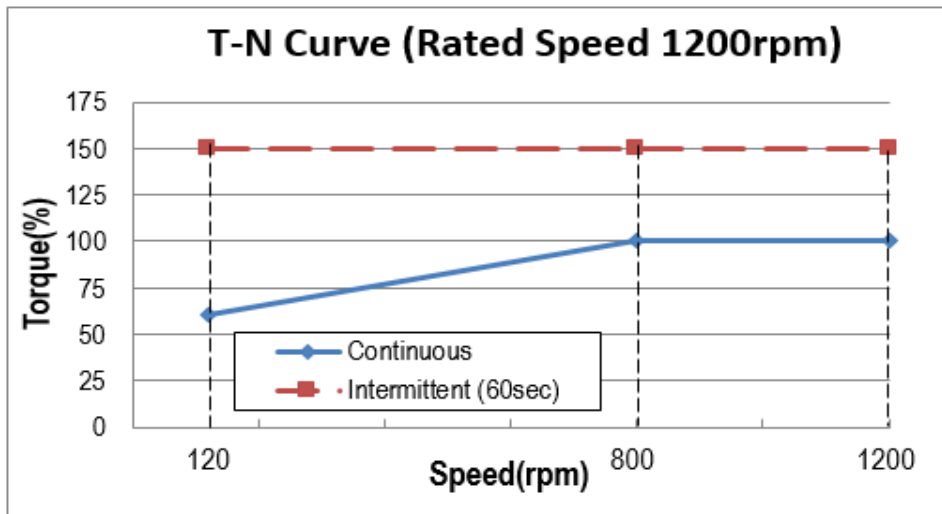
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PERFORMANCE DATA

3-PHASE LOW VOLTAGE
PERMANENT MAGNET MOTORS

MODEL
DVEM

MOTOR T-N curve



参 考 用
Reference
NO.
TECO

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