ZENER
Electric Motor

IE1

VETM - SERIES IE1 PERFORMANCE DATA

Type No.	Rated output (kW)	HP	Rated current IFL 380V A	Rated current IFL 400V A	Rated current IFL 420V A	Rated speed (r/min)	Rated current IFL 440V A	Rated current IFL 460V A	Rated current IFL 480V A	Rated speed (r/min)	EFF %	Power factor cos φ	Rated Torque N.m	Start Torque / Rated Torque TST/TFL	Start Torque / Rated Torque IST/IFL	Max Torque / Rated Torque TM/TFL	Noise level LW dB(A)	Weight (Kg)
			380~420V/50Hz				440~480V/60Hz											
Synchronous speed 1500r/min																		
VETM-63M1-4	0.12	0.18	0.44	0.42	0.40	1310	0.38	0.36	0.35	1570	57.0	0.72	0.9	2.1	4.4	2.2	52	7.5
VETM-63M2-4	0.18	0.25	0.62	0.59	0.56	1310	0.54	0.51	0.49	1570	60.0	0.73	1.3	2.1	4.4	2.2	52	8.5
VETM-71M1-4	0.25	0.37	0.79	0.75	0.71	1330	0.68	0.65	0.63	1595	65.0	0.74	1.8	2.1	5.2	2.2	55	10.5
VETM-71M2-4	0.37	0.55	1.12	1.06	1.01	1330	0.97	0.93	0.89	1595	67.0	0.75	2.7	2.1	5.2	2.2	55	11.5
VETM-80M1-4	0.55	0.75	1.57	1.49	1.42	1390	1.36	1.30	1.24	1665	71.0	0.75	3.8	2.4	5.2	2.3	58	15
VETM-80M2-4	0.75	1.00	2.05	1.95	1.85	1390	1.77	1.69	1.62	1665	73.0	0.76	5.2	2.3	6.0	2.3	58	16
VETM-90S-4	1.1	1.5	2.85	2.71	2.58	1400	2.46	2.35	2.26	1680	76.2	0.77	7.6	2.3	6.0	2.3	61	20
VETM-90L-4	1.5	2.0	3.68	3.50	3.33	1400	3.18	3.04	2.91	1680	78.5	0.79	10.3	2.3	6.0	2.3	61	23
VETM-100L1-4	2.2	3.0	5.09	4.84	4.61	1420	4.40	4.20	4.03	1700	81.0	0.81	14.9	2.3	7.0	2.3	64	31
VETM-100L2-4	3	4.0	6.73	6.39	6.09	1420	5.81	5.56	5.33	1700	82.6	0.82	20.3	2.3	7.0	2.3	64	35
VETM-112M-4	4	5.5	8.80	8.36	7.96	1440	7.60	7.27	6.97	1725	84.2	0.82	26.5	2.3	7.0	2.3	65	41
VETM-132S-4	5.5	7.5	11.7	11.1	10.6	1440	10.1	9.67	9.26	1725	85.7	0.83	36.5	2.3	7.0	2.3	71	60
VETM-132M-4	7.5	10.0	15.6	14.8	14.1	1440	13.5	12.9	12.4	1725	87.0	0.84	49.7	2.3	7.0	2.3	71	74
VETM-160M-4	11	15	22.5	21.4	20.4	1460	19.4	18.6	17.8	1750	88.4	0.84	72.0	2.2	7.0	2.3	75	108
VETM-160L-4	15	20	30.0	28.5	27.1	1460	25.9	24.8	23.8	1750	89.4	0.85	98.1	2.2	7.5	2.3	75	128
VETM-180M-4	18.5	25	36.3	34.5	32.8	1465	31.4	30.0	28.7	1755	90.5	0.86	120.2	2.2	7.5	2.3	76	158
VETM-180L-4	22	30	42.9	40.8	38.8	1465	37.1	35.4	34.0	1755	91.0	0.86	142.9	2.2	7.5	2.3	76	172
VETM-200L-4	30	40	58.0	55.1	52.5	1470	50.1	47.9	45.9	1760	92.0	0.86	194.9	2.2	7.2	2.3	79	241
VETM-225S-4	37	50	70.2	66.7	63.5	1475	60.6	58.0	55.6	1770	92.5	0.87	239.6	2.2	7.2	2.3	81	280
VETM-225M-4	45	60	85.0	80.8	76.9	1475	73.4	70.2	67.3	1770	92.8	0.87	291.4	2.2	7.2	2.3	81	305
VETM-250M-4	55	75	103.3	98.1	93.5	1475	89.2	85.3	81.8	1770	93.0	0.87	354.9	2.2	7.2	2.3	83	375
VETM-280S-4	75	100	139.3	132.3	126.0	1480	120.3	115.1	110.3	1775	93.8	0.87	484.0	2.2	7.2	2.3	86	507
VETM-280M-4	90	120	167.4	159.0	151.5	1480	144.6	138.3	132.5	1775	94.2	0.87	580.7	2.2	7.2	2.3	86	572
VETM-315S-4	110	150	201.0	191.0	181.9	1480	173.6	166.0	159.1	1775	94.5	0.88	709.8	2.1	6.9	2.2	93	930
VETM-315M-4	132	180	240.4	228.4	217.5	1480	207.6	198.6	190.3	1775	94.8	0.88	851.8	2.1	6.9	2.2	93	1050
VETM-315L1-4	160	220	287.8	273.4	260.4	1480	248.6	237.8	227.8	1775	94.9	0.89	1032.4	2.1	6.9	2.2	97	1110
VETM-315L2-4	200	270	359.8	341.8	325.5	1480	310.7	297.2	284.8	1775	95.0	0.89	1290.5	2.1	6.9	2.2	97	1180
VETM-355M-4	250	340	443.3	421.1	401.1	1490	382.9	366.2	351.0	1785	95.3	0.90	1602.3	2.1	6.9	2.2	101	1580
VETM-355L-4	315	430	558.6	530.7	505.4	1490	482.4	461.5	442.2	1785	95.6	0.90	2019.0	2.1	6.9	2.2	101	1750
VETM-H400L-4	500	680	886.7	842.3	811.9	1495	770.1	731.5	705.1	1795	96.0	0.91	3204.7	1.6	6.5	2.0	107	3350

* Defi ned by Versar.
All values of current indicated have a tolerance level of ± 3%
Effi ciencies according to the indirect method of IEC 60034-2-1:2007 with stray load losses determined from measurement.

IST = Locked Rotor Current
IFL = Full Load Current
TM = Maximum Torque

TFL = Full Load Torque
TST = Locked Rotor Torque

* Data is subject to revisions without any prior notice.