

TYCP2 系列三相变频驱动永磁同步电动机

TYCP2 Series Three Phase Variable Frequency Drive Permanent Magnet Synchronous Motors



机座号: 80~355

功率: 0.55~450kW

工作制: S1

冷却方式: IC411

能效等级: 中国 GB30253-2013 1 级

适用于: 需要节能连续运行的一般使用场所, 如风机、水泵类负载等。

Applications: Energy saving applications where continuous or frequent duty is required, like pumps, fans, etc.

特点: T 代表同步, YC 代表永磁, P 代表风机水泵类负载。其体积小、外形美观、高效节能(效率符合 GB30253-2013 中规定的 1 级能效), F 级绝缘, 防护等级为 IP55, 噪声低、振动小。配合 WN90T 系列变频器, 可满足多种工况下稳定运行。

Features: T means for synchronous, YC for permanent magnet, and P for pump. These series motors have many virtues, including small size, beautiful profile, high efficiency and energy saving, class F insulated, the protective class is IP55, low noise, little vibration, reliable running. Operating with WN90T inverter, the motor can be applied in various condition.

性能数据 Performance Data

380V

型号 Type	功率 kW	额定 电流 A	额定 转速 r/min	效率 Eff. %	功率 因数 P.F	额定 转矩 N.m	噪声 dB(A)	冷却 方式 Cooling	适配变频器 Inverter
同步转速 3000 r/min 额定频率 200Hz									
TYCP2-80M1-8-30	1.5	2.64	3000	90.9	0.95	4.77	62	IC411	WN90T-1.5G-4
TYCP2-80M2-8-30	2.2	3.83	3000	91.8	0.95	7.00	62	IC411	WN90T-2.2G-4
TYCP2-90S-8-30	3	5.18	3000	92.6	0.95	9.55	67	IC411	WN90T-3.7G-4
TYCP2-90L-8-30	4	6.86	3000	93.3	0.95	12.73	67	IC411	WN90T-3.7G-4
TYCP2-100L-8-30	5.5	9.36	3000	94	0.95	17.51	74	IC411	WN90T-5.5G-4
TYCP2-112M-8-30	7.5	12.69	3000	94.5	0.95	23.87	77	IC411	WN90T-7.5G-4
TYCP2-132S1-8-30	11	18.52	3000	95	0.95	35.01	79	IC411	WN90T-11G-4
TYCP2-132S2-8-30	15	25.17	3000	95.3	0.95	47.75	79	IC411	WN90T-15G-4
TYCP2-132M-8-30	18.5	30.95	3000	95.6	0.95	58.89	79	IC411	WN90T-18.5G-4
TYCP2-160M1-8-30	22	36.69	3000	95.9	0.95	70.03	81	IC411	WN90T-22G-4
TYCP2-160M2-8-30	30	49.93	3000	96.1	0.95	95.49	81	IC411	WN90T-30G-4
TYCP2-160L-8-30	37	61.45	3000	96.3	0.95	117.77	81	IC411	WN90T-37G-4

性能数据 Performance Data

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型号 Type	功率 kW	额定 电流 A	额定 转速 r/min	效率 Eff. %	功率 因数 P.F	额定 转矩 N.m	噪声 dB(A)	冷却 方式 Cooling	适配变频器 Inverter
同步转速 3000 r/min 额定频率 200Hz									
TYCP2-180M1-8-30	45	74.66	3000	96.4	0.95	143.24	83	IC411	WN90T-45G-4
TYCP2-180M2-8-30	55	91.15	3000	96.5	0.95	175.07	83	IC411	WN90T-55G-4
TYCP2-200L1-8-30	75	124.17	3000	96.6	0.95	238.73	84	IC411	WN90T-75G-4
TYCP2-200L2-8-30	90	148.85	3000	96.7	0.95	286.48	84	IC411	WN90T-90G-4
TYCP2-225S-8-30	110	181.93	3000	96.7	0.95	350.14	86	IC411	WN90T-110G-4
TYCP2-225M-8-30	132	218.32	3000	96.7	0.95	420.17	86	IC411	WN90T-132G-4
TYCP2-250M1-8-30	160	264.63	3000	96.7	0.95	509.30	89	IC411	WN90T-160G-4
TYCP2-250M2-8-30	185	305.98	3000	96.7	0.95	588.87	89	IC411	WN90T-185G-4
TYCP2-280S-8-30	200	330.79	3000	96.7	0.95	636.62	91	IC411	WN90T-200G-4
TYCP2-280M-8-30	220	363.87	3000	96.7	0.95	700.28	91	IC411	WN90T-220G-4
TYCP2-315S1-8-30	250	413.48	3000	96.7	0.95	795.78	92	IC411	WN90T-250G-4
TYCP2-315S2-8-30	280	463.10	3000	96.7	0.95	891.27	92	IC411	WN90T-280G-4
TYCP2-315M1-8-30	315	520.99	3000	96.7	0.95	1002.68	92	IC411	WN90T-315G-4
TYCP2-315M2-8-30	355	587.15	3000	96.7	0.95	1130.00	92	IC411	WN90T-355G-4
TYCP2-315L1-8-30	375	620.23	3000	96.7	0.95	1193.66	92	IC411	WN90T-375G-4
TYCP2-315L2-8-30	400	661.57	3000	96.7	0.95	1273.24	92	IC411	WN90T-400G-4
TYCP2-315L3-8-30	450	744.27	3000	96.7	0.95	1432.40	92	IC411	WN90T-450G-4

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型号 Type	功率 kW	额定 电流 A	额定 转速 r/min	效率 Eff. %	功率 因数 P.F	额定 转矩 N.m	噪声 dB(A)	冷却 方式 Cooling	适配变频器 Inverter
同步转速 1500 r/min 额定频率 100Hz									
TYCP2-80M1-8-15	1.1	2.01	1500	87.4	0.95	7.00	56	IC411	WN90T-0.7G-4
TYCP2-80M2-8-15	1.5	2.72	1500	88.1	0.95	9.55	56	IC411	WN90T-1.5G-4
TYCP2-90L-8-15	2.2	3.92	1500	89.7	0.95	14.01	59	IC411	WN90T-2.2G-4
TYCP2-100L1-8-15	3	5.31	1500	90.3	0.95	19.10	64	IC411	WN90T-3.7G-4
TYCP2-100L2-8-15	4	7.04	1500	90.9	0.95	25.46	64	IC411	WN90T-3.7G-4
TYCP2-112M-8-15	5.5	9.55	1500	92.1	0.95	35.01	65	IC411	WN90T-5.5G-4
TYCP2-132S-8-15	7.5	12.95	1500	92.6	0.95	47.75	71	IC411	WN90T-7.5G-4
TYCP2-132M-8-15	11	18.80	1500	93.6	0.95	70.03	71	IC411	WN90T-11G-4
TYCP2-160M1-8-15	15	25.52	1500	94	0.95	95.49	73	IC411	WN90T-15G-4
TYCP2-160M2-8-15	18.5	31.38	1500	94.3	0.95	117.77	73	IC411	WN90T-18.5G-4
TYCP2-160L-8-15	22	37.16	1500	94.7	0.95	140.06	73	IC411	WN90T-22G-4
TYCP2-180M-8-15	30	50.51	1500	95	0.95	190.99	76	IC411	WN90T-30G-4
TYCP2-180L-8-15	37	62.09	1500	95.3	0.95	235.55	76	IC411	WN90T-37G-4
TYCP2-200L-8-15	45	75.28	1500	95.6	0.95	286.48	76	IC411	WN90T-45G-4

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型号 Type	功率 kW	额定 电流 A	额定 转速 r/min	效率 Eff. %	功率 因数 P.F	额定 转矩 N.m	噪声 dB(A)	冷却 方式 Cooling	适配变频器 Inverter
同步转速 1500 r/min 额定频率 100Hz									
TYCP2-225S-8-15	55	91.82	1500	95.8	0.95	350.14	78	IC411	WN90T-55G-4
TYCP2-225M-8-15	75	124.94	1500	96	0.95	477.47	78	IC411	WN90T-75G-4
TYCP2-250M-8-15	90	149.63	1500	96.2	0.95	572.96	79	IC411	WN90T-90G-4
TYCP2-280S-8-15	110	182.50	1500	96.4	0.95	700.28	80	IC411	WN90T-110G-4
TYCP2-280M-8-15	132	218.77	1500	96.5	0.95	840.34	80	IC411	WN90T-132G-4
TYCP2-315S1-8-15	160	265.18	1500	96.5	0.95	1018.59	88	IC411	WN90T-160G-4
TYCP2-315S2-8-15	185	306.61	1500	96.5	0.95	1177.75	88	IC411	WN90T-185G-4
TYCP2-315M1-8-15	200	331.13	1500	96.6	0.95	1273.24	88	IC411	WN90T-200G-4
TYCP2-315M2-8-15	220	364.24	1500	96.6	0.95	1400.56	88	IC411	WN90T-220G-4
TYCP2-315L1-8-15	250	413.48	1500	96.7	0.95	1591.55	88	IC411	WN90T-250G-4
TYCP2-315L2-8-15	280	463.10	1500	96.7	0.95	1782.54	88	IC411	WN90T-280G-4
TYCP2-315L3-8-15	315	520.45	1500	96.8	0.95	2005.35	88	IC411	WN90T-315G-4
TYCP2-355M1-8-15	355	586.54	1500	96.8	0.95	2260.00	95	IC411	WN90T-355G-4
TYCP2-355M2-8-15	375	619.58	1500	96.8	0.95	2387.33	95	IC411	WN90T-375G-4
TYCP2-355L1-8-15	400	660.89	1500	96.8	0.95	2546.48	95	IC411	WN90T-400G-4
TYCP2-355L2-8-15	450	743.50	1500	96.8	0.95	2864.79	95	IC411	WN90T-450G-4

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型号 Type	功率 kW	额定 电流 A	额定 转速 r/min	效率 Eff. %	功率 因数 P.F	额定 转矩 N.m	噪声 dB(A)	冷却 方式 Cooling	适配变频器 Inverter
同步转速 1000 r/min 额定频率 66.67Hz									
TYCP2-80M1-8-10	0.75	1.37	1000	87.4	0.95	7.16	54	IC411	WN90T-0.7G-4
TYCP2-80M2-8-10	1.1	1.98	1000	88.7	0.95	10.50	54	IC411	WN90T-0.7G-4
TYCP2-90L-8-10	1.5	2.67	1000	89.9	0.95	14.32	57	IC411	WN90T-1.5G-4
TYCP2-100L1-8-10	2.2	3.87	1000	90.9	0.95	21.01	61	IC411	WN90T-2.2G-4
TYCP2-100L2-8-10	3	5.23	1000	91.8	0.95	28.65	61	IC411	WN90T-3.7G-4
TYCP2-112M-8-10	3	5.23	1000	91.8	0.95	28.65	65	IC411	WN90T-3.7G-4
TYCP2-132S1-8-10	4	6.90	1000	92.7	0.95	38.20	69	IC411	WN90T-3.7G-4
TYCP2-132S2-8-10	5.5	9.42	1000	93.4	0.95	52.52	69	IC411	WN90T-5.5G-4
TYCP2-132M-8-10	7.5	12.76	1000	94	0.95	71.62	69	IC411	WN90T-7.5G-4
TYCP2-160M-8-10	11	18.62	1000	94.5	0.95	105.04	70	IC411	WN90T-11G-4
TYCP2-160L-8-10	15	25.28	1000	94.9	0.95	143.24	70	IC411	WN90T-15G-4
TYCP2-180L-8-10	18.5	31.05	1000	95.3	0.95	176.66	73	IC411	WN90T-18.5G-4
TYCP2-200L1-8-10	22	36.81	1000	95.6	0.95	210.08	73	IC411	WN90T-22G-4
TYCP2-200L2-8-10	30	50.08	1000	95.8	0.95	286.48	73	IC411	WN90T-30G-4
TYCP2-225S-8-10	37	61.64	1000	96	0.95	353.32	74	IC411	WN90T-37G-4

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型号 Type	功率 kW	额定 电流 A	额定 转速 r/min	效率 Eff. %	功率 因数 P.F	额定 转矩 N.m	噪声 dB(A)	冷却 方式 Cooling	适配变频器 Inverter
同步转速 1000 r/min 额定频率 66.67Hz									
TYCP2-225M-8-10	45	74.81	1000	96.2	0.95	429.72	74	IC411	WN90T-45G-4
TYCP2-250M-8-10	55	91.34	1000	96.3	0.95	525.21	76	IC411	WN90T-55G-4
TYCP2-280S-8-10	75	124.43	1000	96.4	0.95	716.20	78	IC411	WN90T-75G-4
TYCP2-280M-8-10	90	149.16	1000	96.5	0.95	859.44	78	IC411	WN90T-90G-4
TYCP2-315S-8-10	110	182.31	1000	96.5	0.95	1050.42	83	IC411	WN90T-110G-4
TYCP2-315M-8-10	132	218.77	1000	96.5	0.95	1260.51	83	IC411	WN90T-132G-4
TYCP2-315L1-8-10	160	265.18	1000	96.5	0.95	1527.89	83	IC411	WN90T-160G-4
TYCP2-315L2-8-10	185	306.61	1000	96.5	0.95	1766.62	83	IC411	WN90T-185G-4
TYCP2-315L3-8-10	200	331.47	1000	96.5	0.95	1909.86	83	IC411	WN90T-200G-4
TYCP2-315L4-8-10	220	364.62	1000	96.5	0.95	2100.85	83	IC411	WN90T-220G-4
TYCP2-355M1-8-10	250	414.34	1000	96.5	0.95	2387.33	85	IC411	WN90T-250G-4
TYCP2-355M2-8-10	280	464.06	1000	96.5	0.95	2673.80	85	IC411	WN90T-280G-4
TYCP2-355L1-8-10	315	522.07	1000	96.5	0.95	3008.03	85	IC411	WN90T-315G-4
TYCP2-355L2-8-10	355	588.36	1000	96.5	0.95	3390.00	85	IC411	WN90T-355G-4
TYCP2-355L3-8-10	375	621.51	1000	96.5	0.95	3580.99	85	IC411	WN90T-375G-4

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型号 Type	功率 kW	额定 电流 A	额定 转速 r/min	效率 Eff. %	功率 因数 P.F	额定 转矩 N.m	噪声 dB(A)	冷却 方式 Cooling	适配变频器 Inverter
同步转速 750 r/min 额定频率 50Hz									
TYCP2-80M1-8-7.5	0.55	1.11	750	78.9	0.95	7.00	52	IC411	WN90T-0.4G-4
TYCP2-80M2-8-7.5	0.75	1.43	750	83.6	0.95	9.55	52	IC411	WN90T-0.7G-4
TYCP2-90L-8-7.5	1.1	2.06	750	85.2	0.95	14.01	56	IC411	WN90T-0.7G-4
TYCP2-100L1-8-7.5	1.5	2.77	750	86.7	0.95	19.10	59	IC411	WN90T-1.5G-4
TYCP2-100L2-8-7.5	2.2	3.91	750	90	0.95	28.01	59	IC411	WN90T-2.2G-4
TYCP2-112M-8-7.5	3	5.27	750	91	0.95	38.20	61	IC411	WN90T-3.7G-4
TYCP2-132S-8-7.5	4	6.97	750	91.8	0.95	50.93	64	IC411	WN90T-3.7G-4
TYCP2-132M-8-7.5	5.5	9.50	750	92.6	0.95	70.03	64	IC411	WN90T-5.5G-4
TYCP2-160M-8-7.5	7.5	12.87	750	93.2	0.95	95.49	68	IC411	WN90T-7.5G-4
TYCP2-160L-8-7.5	11	18.78	750	93.7	0.95	140.06	68	IC411	WN90T-11G-4
TYCP2-180M-8-7.5	15	25.47	750	94.2	0.95	190.99	70	IC411	WN90T-15G-4
TYCP2-180L-8-7.5	18.5	31.28	750	94.6	0.95	235.55	70	IC411	WN90T-18.5G-4
TYCP2-200L-8-7.5	22	37.08	750	94.9	0.95	280.11	73	IC411	WN90T-22G-4
TYCP2-225S-8-7.5	30	50.45	750	95.1	0.95	381.97	73	IC411	WN90T-30G-4
TYCP2-225M-8-7.5	37	62.09	750	95.3	0.95	471.10	73	IC411	WN90T-37G-4
TYCP2-250M-8-7.5	45	75.36	750	95.5	0.95	572.96	75	IC411	WN90T-45G-4
TYCP2-280S-8-7.5	55	92.01	750	95.6	0.95	700.28	76	IC411	WN90T-55G-4

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型号 Type	功率 kW	额定 电流 A	额定 转速 r/min	效率 Eff. %	功率 因数 P.F	额定 转矩 N.m	噪声 dB(A)	冷却 方式 Cooling	适配变频器 Inverter
同步转速 750 r/min 额定频率 50Hz									
TYCP2-280M-8-7.5	75	125.34	750	95.7	0.95	954.93	76	IC411	WN90T-75G-4
TYCP2-315S-8-7.5	90	150.41	750	95.7	0.95	1145.92	82	IC411	WN90T-90G-4
TYCP2-315M-8-7.5	110	183.83	750	95.7	0.95	1400.56	82	IC411	WN90T-110G-4
TYCP2-315L1-8-7.5	132	220.37	750	95.8	0.95	1680.68	82	IC411	WN90T-132G-4
TYCP2-315L2-8-7.5	160	267.12	750	95.8	0.95	2037.18	82	IC411	WN90T-160G-4
TYCP2-355M-8-7.5	185	308.85	750	95.8	0.95	2355.49	90	IC411	WN90T-185G-4
TYCP2-355L1-8-7.5	200	333.89	750	95.8	0.95	2546.48	90	IC411	WN90T-200G-4
TYCP2-355L2-8-7.5	220	367.28	750	95.8	0.95	2801.13	90	IC411	WN90T-220G-4
TYCP2-355L3-8-7.5	250	417.37	750	95.8	0.95	3183.10	90	IC411	WN90T-250G-4
TYCP2-355L4-8-7.5	280	467.43	750	95.8	0.95	3565.07	90	IC411	WN90T-280G-4