

## 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
<b>同步转速 3000 r/min 额定频率 200Hz</b>									
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

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
<b>同步转速 1500 r/min 额定频率 100Hz</b>									
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
<b>同步转速 1500 r/min 额定频率 100Hz</b>									
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
<b>同步转速 1000 r/min 额定频率 66.67Hz</b>									
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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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
<b>同步转速 1000 r/min 额定频率 66.67Hz</b>									
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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<b>同步转速 750 r/min 额定频率 50Hz</b>									
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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<b>同步转速 750 r/min 额定频率 50Hz</b>									
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