

# Permanent Magnet Direct Drive Motor

## 永磁直驱电机

### 优势 Advantages

永磁直驱系统取消减速机、液力耦合器直接驱动各类工业机械，与传统驱动系统相比，该系统具有结构简单、运行可靠、维护量小、体积小、损耗小、效率高、功率因数高、起动转矩大、驱动智能化、形态和尺寸可以灵活多样等显著优点。

Compared with the traditional drive system, this system has the advantages of simple structure, reliable operation, low maintenance, small volume, low loss, high efficiency, high power factor, high starting torque, intelligent drive, flexible form and size, etc.



### 电机参数

Motor parameters

电机型号 Series Motors	TYZD-3/60	TYZD-5.5/90	TYZD-11/250	TYZD-5.5/60	TYZD-7.5/90	TYZD-11/150	TYZD-15/100
机座号 Block number	200	200	200	280	280	280	280
额定功率(kW) Power Rating	3	5.5	11	5.5	7.5	11	15
额定电压(V) Rated voltage	380	380	380	380	380	380	380
额定电流(A) Rated current	6.7	14.7	25.8	11.4	17	23.3	29.9
额定转速(rpm) Rated speed	60	90	250	60	90	150	100
额定频率 Rated frequency	28	42	116.7	12	18	30	20
额定转矩(N.m) Rated torque	477.5	583	420.2	875.4	795.8	700	1432.5
效率(%) Efficiency	81.6	82.5	90.1	85	87.1	90.3	88.3
功率因数 Power Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95

电机型号 Series Motors	TYZD-22/150	TYZD-45/410	TYZD-45/280	TYZD-11.5/40	TYZD-18.5/60	TYZD-18.5/90	TYZD-22/90
机座号 Block number	280	280	200	315	315	315	315
额定功率(kW) Power Rating	22	45	45	11.5	18.5	18.5	22
额定电压(V) Rated voltage	380	380	380	380	380	380	380
额定电流(A) Rated current	43	82	85	21.3	33	33.5	29.9
额定转速(rpm) Rated speed	150	410	280	40	60	90	100
额定频率 Rated frequency	30	41	28	10.67	16	24	24
额定转矩(N.m) Rated torque	1401	1048	1535	2745	2944	1963	2334
效率(%) Efficiency	91	93.7	93	85	89	92.5	92.5
功率因数 Power Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95

电机型号 Series Motors	TYZD-22/100	TYZD-37/100	TYZD-55/195	TYZD-75/230	TYZD-75/400	TYZD-110/300	TYZD-75/100	TYZD-75/100
机座号 Block number	315	315	315	315	315	315	400	400
额定功率(kW) Power Rating	22	37	55	75	75	110	75	115
额定电压(V) Rated voltage	380	380	380	380	380	380	380	380
额定电流(A) Rated current	37	63	90	122	120	180	166.5	240
额定转速(rpm) Rated speed	100	100	195	230	400	300	100	170
额定频率 Rated frequency	26.7	26.7	52	61.3	106.7	80	26.7	45.33
额定转矩(N.m) Rated torque	2101	3533	2694	3114	1790	3502	2334	6460
效率(%) Efficiency	92.5	92.8	94.4	94	95.5	95.7	93	95.2
功率因数 Power Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95

### 应用领域 Application Areas



永磁直驱电机的高效率、高精度和低噪音特性使其适用于各种不同的应用场景，从工业制造到交通运输以及能源领域等多个领域都有广泛应用如冶金、矿山、煤炭、港口、电力、建材、化工等领域。

The high efficiency, precision, and low noise characteristics of permanent magnet direct drive motors make them suitable for a wide range of applications across various sectors, including industrial manufacturing, transportation, and the energy industry. These applications span areas such as metallurgy, mining, coal, ports, power generation, construction materials, and chemical industries.

