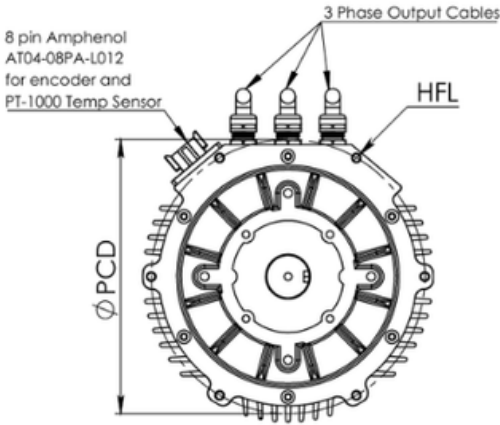


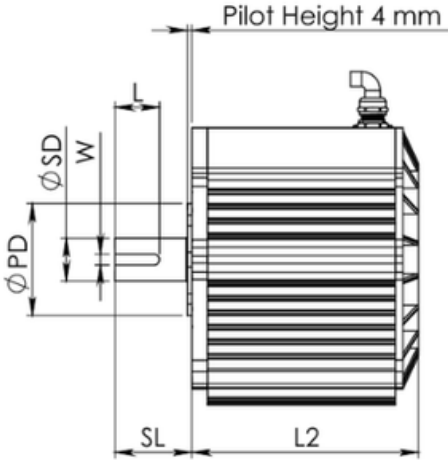
PM SYNCHRONOUS MOTOR
MECHANICAL SIZE CHART



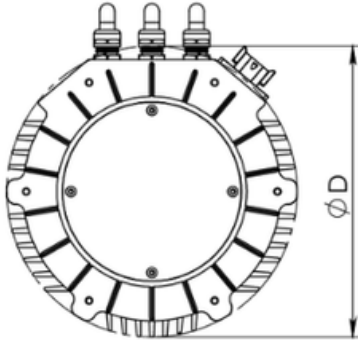
FLANGE MOUNTED



FRONT



LEFT

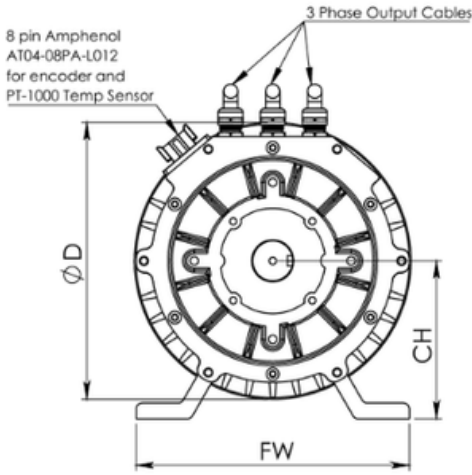


BOTTOM

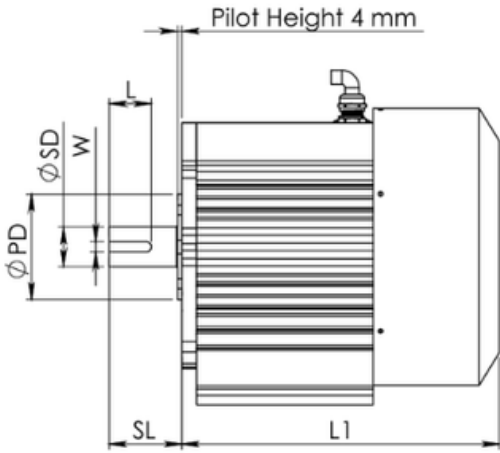
sine/cosine Encoder							
PIN OUT				PIN OUT			
1	SHIELD (GREEN)	5	COSINE (V _A) (YELLOW)	6	TEMP (+) (RED)		
2	V _{dd} (+5 V) (RED)	6	TEMP (+) (RED)	7	TEMP (-) (WHITE)		
3	GND (BLACK)	7	TEMP (-) (WHITE)	8	NA		
4	SINE (V _B) (BLUE)	8	NA				

FOOT MOUNTED

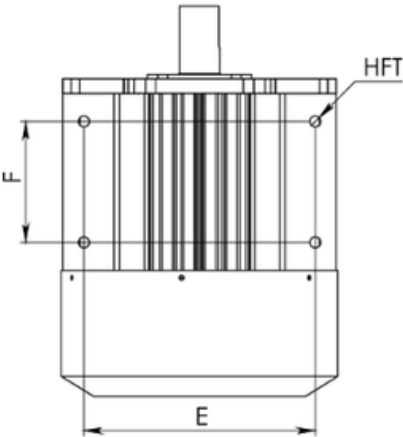
sine/cosine Encoder							
PIN OUT				PIN OUT			
1	SHIELD (GREEN)	5	COSINE (V _A) (YELLOW)	6	TEMP (+) (RED)		
2	V _{dd} (+5 V) (RED)	6	TEMP (+) (RED)	7	TEMP (-) (WHITE)		
3	GND (BLACK)	7	TEMP (-) (WHITE)	8	NA		
4	SINE (V _B) (BLUE)	8	NA				



FRONT



LEFT



BOTTOM

Physical Motor Size	Overall length				Overall Diameter		Pilot Diameter		PCD	Mounting holes		Foot mounting		Foot width		Centre Height		Shaft Length		Shaft Diameter		Key Way		Weight				
	(W Fan) (L1)		(W/O Fan) (L2)		(D)		(PD)			HFL		(E)		(F)		(FW)		(SL)		(SD)		(L x W)		(W/O Fan) FL		(W Fan) FT		
	Inch	mm	Inch	mm	Inch	mm	Inch	mm		mm	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	mm	mm	lb	kg	lb	Kg	
145-BZ	6.73	171	5.51	140	7.09	180	3.94	100	140	6 X M6	4 X 8.5	5.51	140	2.76	70	6.69	170	3.54	90	1.97	50	0.98	25	5 X 30	8.82	4	17.64	8
145-CZ	7.13	181	5.91	150	7.09	180	3.94	100	140	6 X M6	4 X 8.5	5.51	140	3.15	80	6.69	170	3.54	90	1.97	50	0.98	25	5 X 30	12.13	5.5	19.85	9
145-DZ	7.52	191	6.30	160	7.09	180	3.94	100	140	6 X M6	4 X 8.5	5.51	140	3.54	90	6.69	170	3.54	90	1.97	50	0.98	25	5 X 30	15.44	7	22.05	10
145-EZ	7.91	201	6.69	170	7.09	180	3.94	100	140	6 X M6	4 X 8.5	5.51	140	3.94	100	6.69	170	3.54	90	1.97	50	0.98	25	5 X 30	19.85	9	24.26	11
145-FZ	8.31	211	7.09	180	7.09	180	3.94	100	140	6 X M6	4 X 8.5	5.51	140	4.33	110	6.69	170	3.54	90	1.97	50	0.98	25	5 X 30	23.15	10.5	27.56	12.5
145-FE	8.50	216	7.28	185	7.09	180	3.94	100	140	6 X M6	4 X 8.5	5.51	140	4.53	115	6.69	170	3.54	90	1.97	50	0.98	25	5 X 30	24.26	11	28.67	13
145-GZ	8.70	221	7.48	190	7.09	180	3.94	100	140	6 X M6	4 X 8.5	5.51	140	4.72	120	6.69	170	3.54	90	1.97	50	0.98	25	5 X 30	25.36	11.5	31.97	14.5
145-HZ	9.09	231	7.87	200	7.09	180	3.94	100	140	6 X M6	4 X 8.5	5.51	140	5.12	130	6.69	170	3.54	90	1.97	50	0.98	25	5 X 30	27.56	12.5	34.18	15.5
145-AZZ	9.88	251	8.66	220	7.09	180	3.94	100	140	6 X M6	4 X 8.5	5.51	140	5.91	150	6.69	170	3.54	90	1.97	50	0.98	25	5 X 30	30.87	14	39.69	18
145-ABZ	10.67	271	9.45	240	7.09	180	3.94	100	140	6 X M6	4 X 8.5	5.51	140	6.69	170	6.69	170	3.54	90	1.97	50	0.98	25	5 X 30	36.38	16.5	45.20	20.5
145-ADZ	11.46	291	10.24	260	7.09	180	3.94	100	140	6 X M6	4 X 8.5	5.51	140	7.48	190	6.69	170	3.54	90	1.97	50	0.98	25	5 X 30	41.90	19	50.72	23
145-BZZ	13.82	351	12.60	320	7.09	180	3.94	100	140	6 X M6	4 X 8.5	5.51	140	9.84	250	6.69	170	3.54	90	1.97	50	0.98	25	5 X 30	57.33	26	66.15	30
255-AE	9.84	250	5.87	149	10.24	260	3.94	100	245	6 X M8	4 X 10.5	8.66	220	2.36	60	10.24	260	5.91	150	2.76	70	1.5	38	10 X 40	35.28	16	41.90	19
255-BE	10.24	260	6.26	159	10.24	260	3.94	100	245	6 X M8	4 X 10.5	8.66	220	2.76	70	10.24	260	5.91	150	2.76	70	1.5	38	10 X 40	39.69	18	46.31	21
255-CZ	10.43	265	6.46	164	10.24	260	3.94	100	245	6 X M8	4 X 10.5	8.66	220	2.95	75	10.24	260	5.91	150	2.76	70	1.5	38	10 X 40	41.90	19	50.72	23
255-DZ	10.83	275	6.85	174	10.24	260	3.94	100	245	6 X M8	4 X 10.5	8.66	220	3.35	85	10.24	260	5.91	150	2.76	70	1.5	38	10 X 40	48.51	22	52.92	24
255-EZ	12.01	305	8.03	204	10.24	260	3.94	100	245	6 X M8	4 X 10.5	8.66	220	4.53	115	10.24	260	5.91	150	2.76	70	1.5	38	10 X 40	55.13	25	62.84	28.5
255-FZ	12.40	315	8.43	214	10.24	260	3.94	100	245	6 X M8	4 X 10.5	8.66	220	4.92	125	10.24	260	5.91	150	2.76	70	1.5	38	10 X 40	61.74	28	68.36	31
255-FE	12.80	325	8.62	219	10.24	260	3.94	100	245	6 X M8	4 X 10.5	8.66	220	5.12	130	10.24	260	5.91	150	2.76	70	1.5	38	10 X 40	63.95	29	70.56	32
255-GE	12.99	330	9.02	229	10.24	260	3.94	100	245	6 X M8	4 X 10.5	8.66	220	5.51	140	10.24	260	5.91	150	2.76	70	1.5	38	10 X 40	68.36	31	74.97	34
255-GZ	12.80	325	8.82	224	10.24	260	3.94	100	245	6 X M8	4 X 10.5	8.66	220	5.31	135	10.24	260	5.91	150	2.76	70	1.5	38	10 X 40	66.15	30	72.77	33
255-HZ	13.19	335	9.21	234	10.24	260	3.94	100	245	6 X M8	4 X 10.5	8.66	220	5.71	145	10.24	260	5.91	150	2.76	70	1.5	38	10 X 40	77.18	35	83.79	38
255-HE	13.39	340	9.41	239	10.24	260	3.94	100	245	6 X M8	4 X 10.5	8.66	220	5.71	145	10.24	260	5.91	150	2.76	70	1.5	38	10 X 40	80.48	36.5	86.00	39
255-AZZ	14.17	360	10.00	254	10.24	260	3.94	100	245	6 X M8	4 X 10.5	8.66	220	6.50	165	10.24	260	5.91	150	2.76	70	1.5	38	10 X 40	83.79	38	94.82	43
255-AAE	14.57	370	10.59	269	10.24	260	3.94	100	245	6 X M8	4 X 10.5	8.66	220	6.89	175	10.24	260	5.91	150	2.76	70	1.5	38	10 X 40	90.41	41	97.02	44
255-ABZ	14.96	380	10.79	274	10.24	260	3.94	100	245	6 X M8	4 X 10.5	8.66	220	7.09	180	10.24	260	5.91	150	2.76	70	1.5	38	10 X 40	94.82	43	101.43	46
255-ACZ	15.35	390	11.18	284	10.24	260	3.94	100	245	6 X M8	4 X 10.5	8.66	220	7.48	190	10.24	260	5.91	150	2.76	70	1.5	38	10 X 40	101.43	46	108.05	49
255-AEZ	15.94	405	11.97	304	10.24	260	3.94	100	245	6 X M8	4 X 10.5	8.66	220	8.46	215	10.24	260	5.91	150	2.76	70	1.5	38	10 X 40	110.25	50	116.87	53
255-AHZ	17.13	435	13.15	334	10.24	260	3.94	100	245	6 X M8	4 X 10.5	8.66	220	9.65	245	10.24	260	5.91	150	2.76	70	1.5	38	10 X 40	127.89	58	134.51	61
255-BZZ	17.91	455	13.94	354	10.24	260	3.94	100	245	6 X M8	4 X 10.5	8.66	220	10.43	265	10.24	260	5.91	150	2.76	70	1.5	38	10 X 40	141.12	64	147.74	67
255-BEZ	19.88	505	15.91	404	10.24	260	3.94	100	245	6 X M8	4 X 10.5	8.66	220	12.40	315	10.24	260	5.91	150	2.76	70	1.5	38	10 X 40	171.99	78	178.61	81
255-CZZ	21.85	555	17.87	454	10.24	260	3.94	100	245	6 X M8	4 X 10.5	8.66	220	14.37	365	10.24	260	5.91	150	2.76	70	1.5	38	10 X 40	202.86	92	209.48	95
360-CZ	13.78	350	7.87	200	14.96	380	7.87	200	338	8 X M10	4 X 16.5	12.4	315	4.33	110	14.17	360	7.87	200	3.15	80	1.97	50	14 X 50	108.05	49	119.07	54
360-DZ	14.17	360	8.27	210	14.96	380	7.87	200	338	8 X M10	4 X 16.5	12.4	315	4.72	120	14.17	360	7.87	200	3.15	80	1.97	50	14 X 50	116.87	53	130.10	59
360-EZ	14.57	370	8.66	220	14.96	380	7.87	200	338	8 X M10	4 X 16.5	12.4	315	5.12	130	14.17	360	7.87	200	3.15	80	1.97	50	14 X 50	127.89	58	141.12	64
360-FZ	14.96	380	9.06	230	14.96	380	7.87	200	338	8 X M10	4 X 16.5	12.4	315	5.51	140	14.17	360	7.87	200	3.15	80	1.97	50	14 X 50	145.53	66	158.76	72
360-GZ	15.35	390	9.45	240	14.96	380	7.87	200	338	8 X M10	4 X 16.5	12.4	315	5.91	150	14.17	360	7.87	200	3.15	80	1.97	50	14 X 50	207.27	94	224.91	102
360-HC	15.94	405	10.04	255	14.96	380	7.87	200	338	8 X M10	4 X 16.5	12.4	315	6.50	165	14.17	360	7.87	200	3.15	80	1.97	50	14 X 50	158.76	72	176.40	80