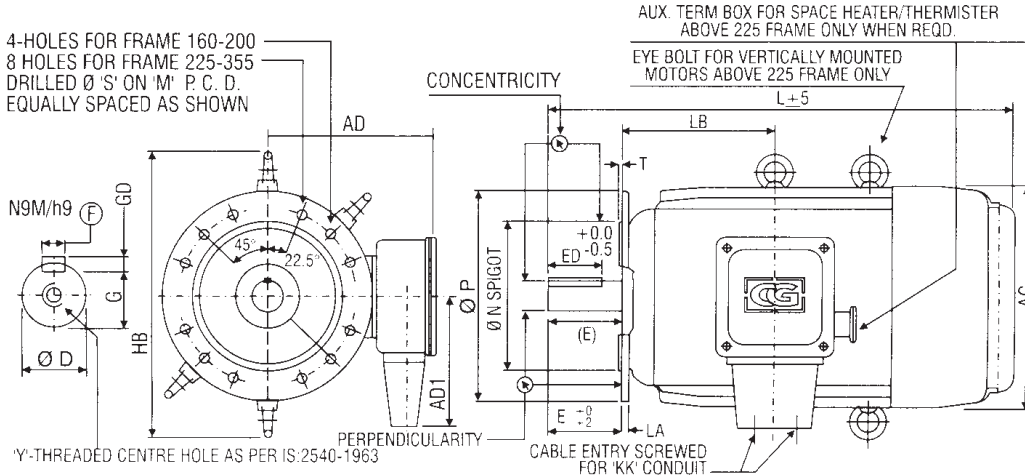


# OUTLINE DIMENSION DRAWING FOR 3 PHASE SQUIRREL CAGE TEFC FLANGE MOUNTED INDUCTION MOTORS FOR ND160 TO ND355 FRAMES



ALL DIMENSIONS ARE IN mm

FRAME SIZE	FLANGE FIXING						SHAFT AND KEY #							OVERALL						
	M TOL	N TOL	P	S	T	LA	D TOL	E	ED	F TOL	GD TOL	G	Y	AD	AD1	AC	L	LB	HB	KK
ND 160 M	300.5	250.016	350	19	5	18	42.018	110	80	12.00	8.00	37.00	M17x32	275	152	318	660	213	432	2Nos-1"
ND 160 L							42.002										705	235		
ND 180 M	299.5	249.957	350	19	5	18	48.018	110	80	14.00	9.00	42.5	M17x32	295	152	352	746	241.5	476	2Nos-1"
ND 180 L							48.002										784	260.5		
ND 200 L	350.5	300.018	400	19	5	15	55.030	110	80	16.0	10.00	49.0	M20x40	345	282	428	873	285.5	528	2Nos-1.5"
ND 225 S	349.5	299.982					60.030										140	110		
ND 225 M	400.5	350.018	450	19	5	19	60.011	140	110	17.957	10.91	52.8	M20x40	375	282	470	955	3.4.5	590	2Nos-1.5"
ND 250 S							399.5										349.982	65.030		
ND 250 M	500.5	450.020	550	19	5	19	65.011	140	110	17.957	10.91	57.8	M20x40	405	420	500	1020	342.5	688	2Nos-1.5"
ND 280 S							499.5										449.980	75.030		
ND 280 M	601.0	550.022	660	24	6	25	75.011	170	140	19.948	11.91	67.3	M24x50	430	420	536	1170	399.5	724	2Nos-2"
ND 315 S							599.0										549.978	80.030		
ND 315 M	601.0	550.022	660	24	6	25	80.011	170	140	21.948	13.91	70.8	M24x50	510	420	588	1340	444.5	820	2Nos-2"
ND 315 L							599.0										549.978	90.035		
ND 355 S	741.0	680.025	800	24	6	28	100.035	210	160	28.000	16.00	90.00	M24x50	600	420	670	1513	570	890	2Nos-2.5"
ND 355 M							100.013										140	110		
ND 355 L	739.0	679.975	800	24	6	28	100.035	210	160	27.948	15.89	89.9	M24x50	600	420	670	1513	570	890	2Nos-2.5"
ND 355 LX							100.013										140	110		

#	FRAME SIZE	D TOL	E	ED	F TOL	GD TOL	G				
								S	M	L	LX
ABOVE 200 FRAMES MACHINES RUNNING AT 3000 SYN RPM HAVE SMALLER SHAFTS AS SHOWN HERE	ND 225	55.030/55.011	110	80	16.0/15.957	10.0/9.91	49.0/48.8	925	925	-	-
	ND 250	60.030/60.011	140	110	18.0/17.957	11.0/10.91	53.0/52.8	1020	1020	-	-
	ND 280 ND 315	65.030/65.011	140	110	18.0/17.957	11.0/10.91	58.0/57.8	1170 1310	1170 1310	-	-
	ND 315	70.030/70.011	140	110	20.0/19.948	12.0/11.91	62.5/62.3	-	-	1460	-
	ND 355	75.030/75.011	170	140	20.0/19.948	12.0/11.91	67.5/67.3	1473	1473	1473	1530

FRAME	CONCENTRICITY IN MICRON	PERPENDICULARITY IN MICRON	RUNOUT IN MICRON	
SIZE	NORM. CLASS	NORM. CLASS	SHAFT Ø	NORM.
160-280	125	125	30-50	50
315-355	160	160	50-80	60
			80-120	70