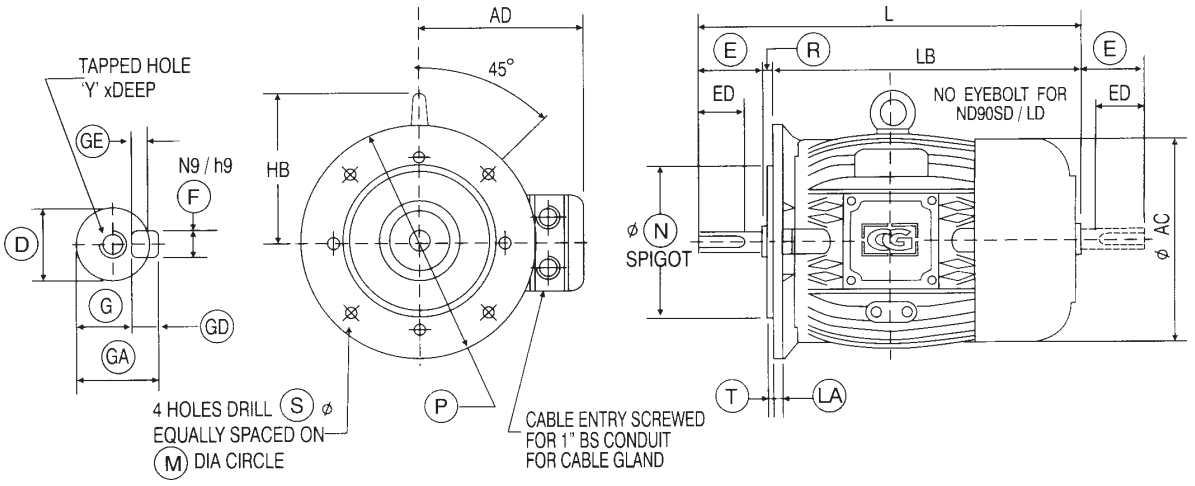
OUTLINE DIMENSION DRAWING FOR 3 PHASE SQUIRREL CAGE TEFC FLANGE MOUNTED CAST IRON BODY INDUCTION MOTORS FOR ND90 TO ND132 FRAMES



KEY				KEY WAY				SHAFT								FIXING				
GD		F		ED		F		GE		D						N		M		DN
h11	h9	h9				N9		–		K6	j6					j6				GR.
6 to 10	3 to 6	6 to 10	3 to 6	30 to 80	upto 30	8 to 10	4 to 6	4 & ABOVE	upto 3.5	30 to 50	18 to 30	10 to 18	6 to 10			180 to 250	120 to 180	Upto 265		RANGE
– 0 0.090	– 0 0.030	– 0 0.036	– 0 0.030	+ 0.300 0	+ 0.200 0	– 0.036 0	+ 0.030 0	+ 0.200 0	+ 0.100 0	+ 0.002 + 0.018	– 0.004 + 0.009	– 0.003 + 0.008	– 0.002 + 0.007			– 0.013 + 0.016	– 0.011 + 0.014	– 0.300 + 0.300		TOL.

FRAME SIZE	FLANGE FIXING							SHAFT AND KEY									OVERALL (MAX)				
	M	N	P	R	S	T	LA	D	E	ED	F	G	GA	GD	GE	YxDEEP	AD	AC	L	LB	HB
ND90SD / ND90LD	165	130	200	0	12	3.5	10	24	50	36	8	20	27	7	4	M8x19	150	190	335 / 360	285 / 310	–
ND100LD	215	180	250	0	15	4	11	28	60	44	8	24	31	7	4	M10x22	160	210	380	310 / 320	150
ND112MD	215	180	250	0	15	4	11	28	60	44	8	24	31	7	4	M10x22	170	230	405	330 / 345	160
ND132SD / ND132MD	265	230	300	0	15	4	14	38	80	60	10	33	41	8	5	M12x28	190	270	470 / 510	390 / 430	190

1. DIMENSIONS COMPLY WITH IS : 1231 AND ARE IN MM., EXCEPT CONDUIT ENTRY.
2. TERMINAL BOX CAN BE TURNED THROUGH 360^0 IN STEP OF 90^0.
3. CABLE ENTRY : 1 No. FOR DOL STARTING & TWO Nos. FOR STAR DELTA STARTING/MULTISPEED MOTOR
4. TERMINAL BOX ON LEFT HAND SIDE LOOKING FROM DRIVING END CAN BE PROVIDED WHEN SPECIFIED.
5. ALL DIMENSIONS ARE SUBJECTED TO CONFIRMATION.

S. C. INDUSTRIAL SYNDICATE