

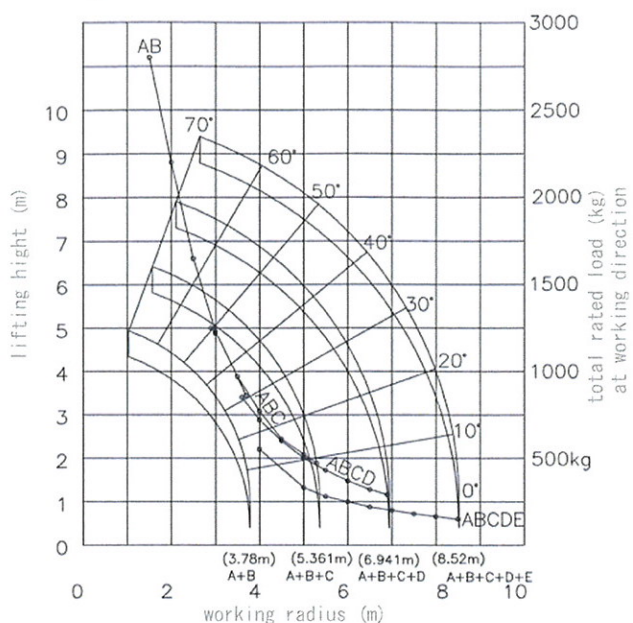


CR285D

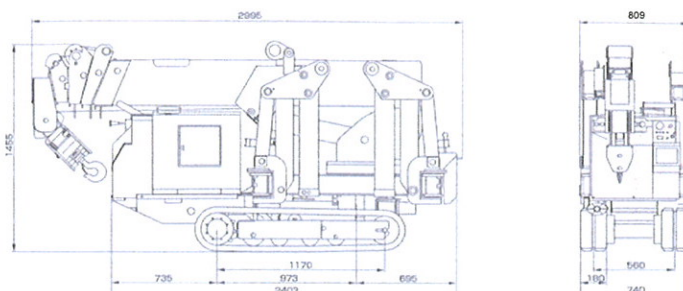
data sheet
page 1



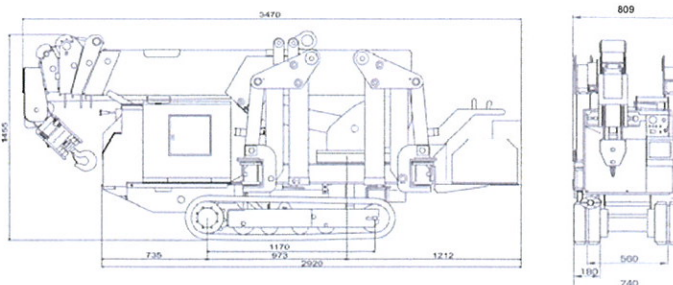
working radius



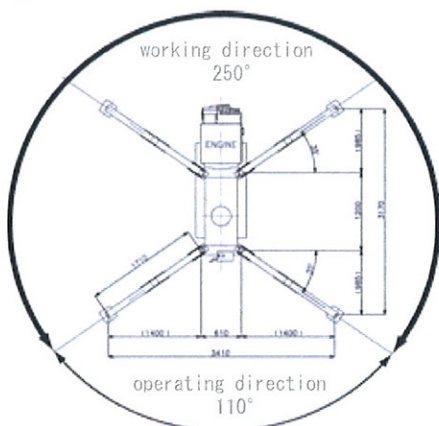
dimensions for standard



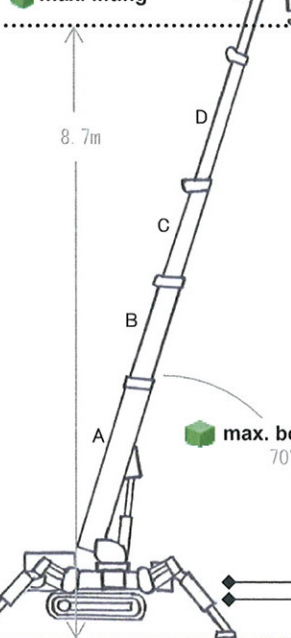
dimensions for electric motor mounted



outrigger positions



max. lifting



rated load

working radius(m)	~4.0	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.52
working direction (t)	0.55	0.33	0.28	0.25	0.22	0.21	0.18	0.17	0.15
operating direction (t)	0.49	0.32	0.26	0.23	0.19	0.16	0.14	0.11	0.10

working radius(m)	~3.6	4.0	4.5	5.0	5.5	6.0	6.5	6.94	
working direction (t)	0.85	0.72	0.6	0.5	0.43	0.37	0.32	0.29	
operating direction (t)	0.61	0.49	0.39	0.32	0.26	0.23	0.19	0.16	

working radius(m)	~2.9	3.0	3.5	4.0	4.5	5.0	5.36		
working direction (t)	1.25	1.22	0.97	0.77	0.61	0.53	0.47		
operating direction (t)	1.02	1.01	0.66	0.49	0.39	0.32	0.28		

working radius(m)	~1.5	2.0	2.5	3.0	3.5	3.78			
working direction (t)	2.8	2.2	1.65	1.23	0.97	0.86			
operating direction (t)	2.35	1.80	1.41	1.01	0.66	0.56			

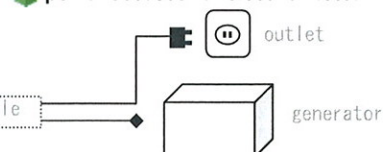
gradability



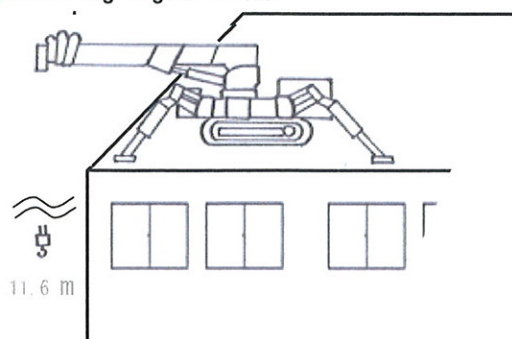
max. boom angle

70°

power sources for electric motor



max. lifting range under the



color choices



refer to catalogue or website
for better image

how to read model name

D = diesel engine
M = moment limiter
E = electric motor

R&B ENGINEERING Co., Ltd.

1108-001



MIGHTY CRANE **CR285D**

data sheet

page 2



specifications

model	CR285D	
rated load	2.8t x 1.5m	
maximum working radius	8.5m x 150kg	
maximum lifting height	8.7m	
winch system	hook speed/min	11.3m (at 4th layers/4 falls)
	hoist wire rope	IWRC6 x Fi(29) 8mm x 50m
telescoping system	boom configuration	full automatic 5-sections pentagonal telescopic boom (boom C, D & E slide simultaneously)
	boom length	2.565m~4.186m~5.766m~7.346m~8.926m
	boom telescoping stroke/time	6.36m/22sec
boom hoisting system	boom angle/time	0~70° /8sec
swing system	swing angle/time	360° continuous rotation/16sec
outrigger	type	manual extend & swing out, lowering by hydraulic cylinder
	max. extended width	3410mm x 3170mm
travel system	type	hydraulic motor stepless speed changer
	travel speed	0~2.2km/h (forward/back)
	gradeability (design limit)	20°
	crawler ground length x width	1,170mm x 180mm
	ground pressure	standard 41.9[0.43kgf/cm ²]kPa electric motor mounted 50.01[0.51kgf/cm ²]kPa
engine	model	Yanmar 2TNV70
	type	liquid cooled, 4 cycle, 2 cylinder, diesel
	displacement	0.570L [570cc]
	continuous rated output	7.9kw(10.59hp)/2,600rpm/min ⁻¹ [10.7ps/2,600rpm]
	fuel/fuel tank capacity	diesel 20L
remote control	method	cable
	speed mode	high/low
	operation	winch, telescoping, hoisting, swing, emergency stop, horn
overall size LxWxH	standard	2,995mm x 809mm x 1,455mm
	electric motor mounted	3,470mm x 809mm x 1,455mm
machine weight	standard	1750kg
	electric motor mounted	2,150kg
boom extension form	2 hydraulic, 2 wire-link	
hook	weight	23kg
	number of sheaves	2
	hook-in system	standard
outrigger extension pattern	maximum extension only	
crane operation	hydraulic	
remote control	availability	standard
	operating system	cable
moment limiter	option (charged)	
tricolored light	option (charged)	
electric motor	availability	option (charged)
	type	fan cooled motor
	size	5.5kw, AC
	voltage, frequency, etc. power sources	380V, 50Hz, 4pole, 3phase or 230V/460V, 60Hz, 4pole, 3phase generator, outlet, etc.
maximum lifting range under the ground	max. 11.6m (4 falls)	
head lamp	option (charged)	
rubber crawler shoe	standard: white free option: black	
standard color	standard: mighty blue free options: metallic gray, metallic blue on request: an original color, name print	
emergency stop switch	standard	
over hoist prevention device	standard	
CE standard	diesel engine: applied electric motor: will be applied in 2011	
USA standard	diesel engine: will be applied 2011 electric motor: will be applied in 2011	
free fall	not available	



focus



moment limiter

cable remote controller



electric motor


ENGINEERING Co., Ltd.
 TEL: +81-3-5918-2211 FAX: +81-3-5918-2212
 No. 22-5, Ch 2-chome, Kiba-ku, Tokyo 114-0002 JAPAN
 E-mail: info@rnb.co.jp www.rnb.co.jp

1108-001