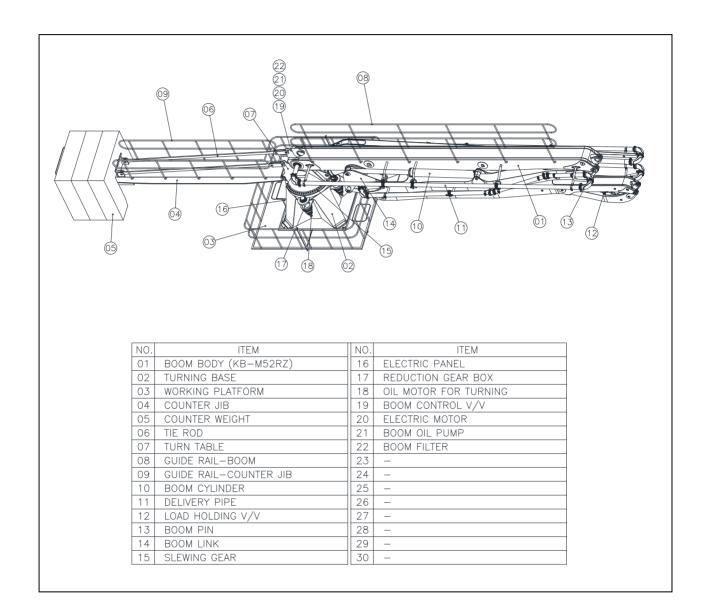


Placing Boom SystemLayout



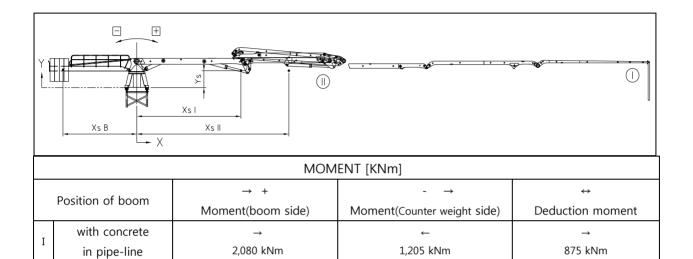


without concrete

in pipe-line

II

Placing Boom System Technical data



Total weight [kg]			
In operation : 33,400 kg	Out of operation : 31,950kg		

1,205 kNm

40 kNm

1,165 kNm

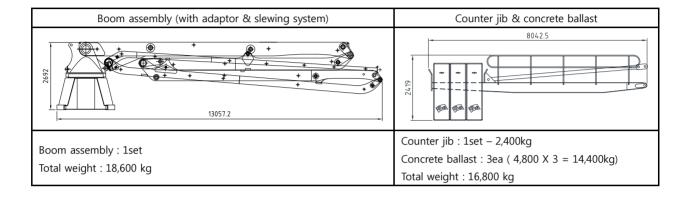
	MOMENT [KNm]						
Position of boom	Wind-exposed area	Center of gravity distance	remark				
I II 	30.5 M² / boom-side 29.7 M² / boom-side 6.3 M² / Counter weight-side	Xs I = 14.9 m Xs II = 10.2 m Xs B = 7.5 m	Wind surface perpendicular to frontal wind				
Ι/Π	3.3 M²	Ys = 1.6 m	Exposed area in frontal wind				

Absolute altitude [m]	0-8	8-20	20-100	100 이상
W [kNm2]	800	1280	1760	2080

F = W x Aw F = wind force, W = lateral thrust due to wind, Aw = wind surface area



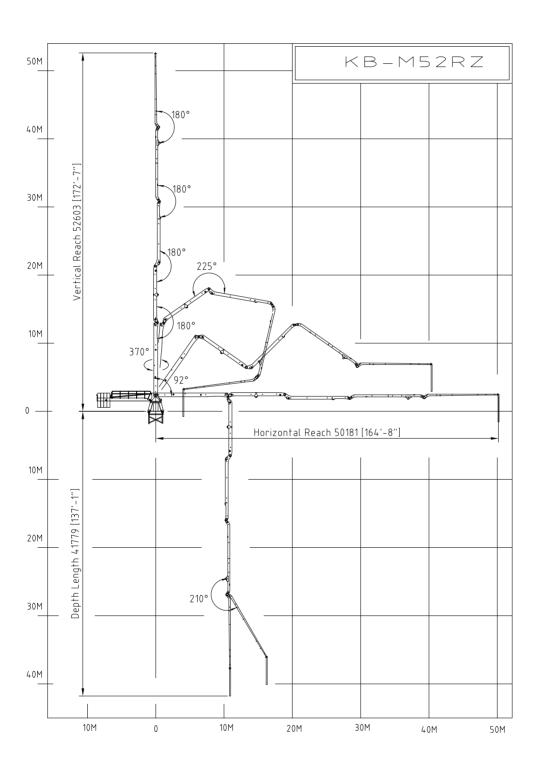
Standard scope



*Boom specification & technical specification

Boom type		5sec RZ	Slewing system	Size(W×L×H)	2300×2300× 2700
Horizontal reach		50.2 m		Weight	6,650 kg
Vertical reach		52.6 m	Counter jib	Length	8.4 m
Depth reach		41.8 m		Weight	2,400 kg
Boom - length -	1ST	10.6 m	Concrete ballast	Size(W×L×H)	600×2000×2110
	2ND	8.3 m		Weight	4,800 kg/pcs
	3RD	9.5 m	Boom	1ST	45 °
	4TH	10.9 m		2ND	180 °
	5TH	10.9 m		3RD	225 °
End hose length		4 m	rotation	4TH	180 °
Delivery line		125 mm(5")		5TH	210 °
Boom weight		11,950 kg	Power		AC380V/60Hz

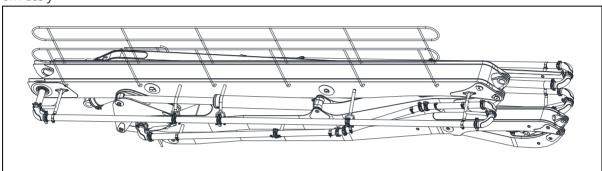
Working diagram



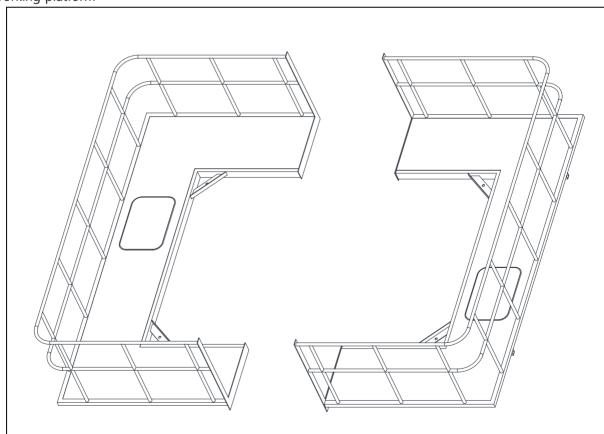


Placing boom system

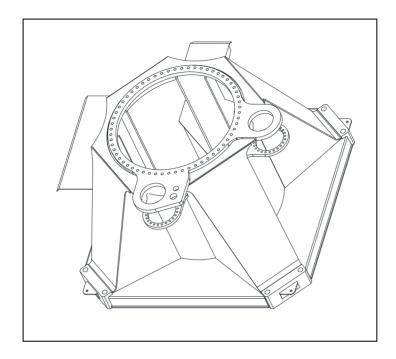
Boom ass'y



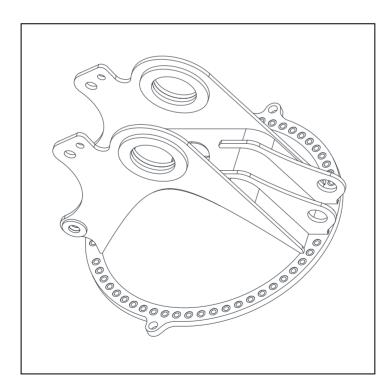
Working platform



Base

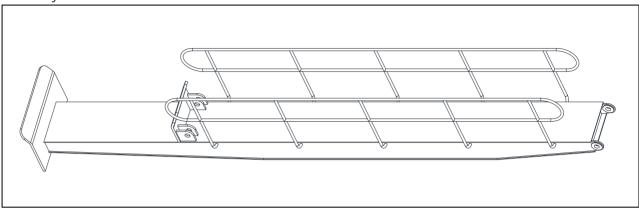


Turn table

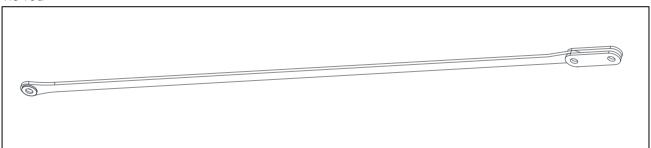




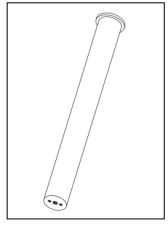
Counter jib

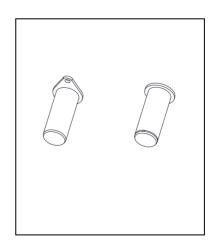


Tie-rod



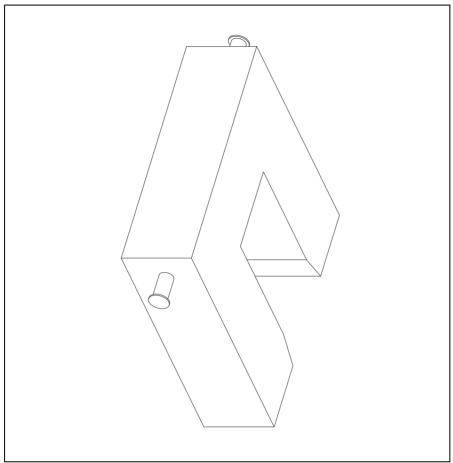
Pin (Counter jib, Tie-rod)



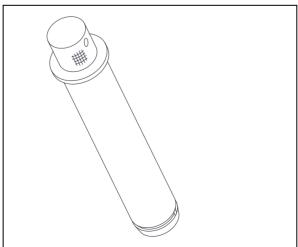




Counter weight



Safety pin for prevent turn-table rotation





Lifting lug

