Duty Sheet 1347/5/81
This cancels Duty Sheets 1342/2/80 & 1346/3/79

COLES Hydramobile 920

BS 1757 & DIN 15019 Pt2 — TONNES

LIFTING CAPACITIES — WITH OUTRIGGERS FULLY EXTENDED

Through full circle slew

Radius in Metres	Radius in Feet	8.22m Cantilever Jib (Fixed Centres)
3.00	9.90	18.00
3.50	11.50	16.55
4.50	14.75	13.70
6.00	19.70	10.90
7.50	24.60	9.35 at 6.40m
9.00	29.50	
12.00	39.40	

Telescoping Boom Capacities — Fully Telescoping			
8.50m	8.50m to 10.50m	10.50m to 12.50m	12.50m to 13.70m
18.00	16.00		
16.55	14.50	13.00	
13.70	12.50	11.40	10.90
10.90	10.70	9.65	9.40
8.65 at 6.70m	8.15	8.15	7.90
	6.10 at 8.75m	6.10	6.10
		4.30 at 10.75m	3.65

LIFTING CAPACITIES — FREE ON WHEELS

Through full circle slew

Radius in Metres	Radius in Feet	8.22m Cantilever Jib (Fixed Centres)
3.00	9.90	10.50
3.50	11.50	9.15
4.50	14.75	7.00
6.00	19.70	5.10
7.50	24.60	4.25 at 6.84m
9.00	29.50	
12.00	39.40	

Telescoping Boom Capacities — Fully Telescoping			
8.50m	8.50m to 10.50m	10.50m to 12.50m	12.50m to 13.70m
10.50	10.50		
9.15	9.15	9.15	
7.00	7.00	7.00	7.00
4.90	4.90	4.90	4.90
3.70 at 7.12m	3.55	3.55	3.55
	2.65	2.65	2.65
		1.90 at 11.11m	1.60

IMPORTANT NOTES

- The above capacities are in accordance with clause 11 — Stability of BS1757: 1981 — Power-driven mobile cranes with wind forces to tables 2(a) and 3(a) of BS2573: Part 1: 1977 — Permissible stresses in cranes and design rules — Structures and DIN 15019 Pt II 1979.
- For certain condition capacities are controlled by factors other than stability, for this reason crane tipping must not be relied upon as the capacity limitation.
- The weight of hookblock, slings and all similarly used ancillary equipment must be added to the weight of the load.
- Capacities quoted are based on freely suspended loads through full circle slew with the four telescopic outriggers fully extended and vertical jacks down so that tyres are raised clear of the ground or with tyres inflated to their correct pressure when operating "free-on-wheels".
- Practical safe working loads are dependent on the supporting surface, wind and other factors affecting stability, hazardous surroundings, experience of personnel and proper handling of the load, all of which must be taken into account by the operator.
- For boom lengths and/or radii not stated in the table use the tabulated load given for the next longer boom length and/or radius.
- Tabulated ratings are based upon operation on a firm level and uniformly supporting surface with outriggers fully extended to 4.75m centres, or with tyres inflated to their correct pressure when operating "free-on-wheels".
- This crane is designed and manufactured for high load derricking capacity. It is safe to attempt to derrick any load.
- Travel speed when operating "free-on-wheels" is restricted by site conditions and allowances should be made by the operator to suit prevailing conditions.
- When a safe load indicator is specified, certain duties may be modified to compensate for indicator characteristics.

HOOKBLOCK CAPACITIES AND WEIGHTS — TONNES

Number of Falls	6	5	4	3	2	1
Permissible Load	18.00	17.05	13.80	10.45	7.00	3.65
Weight of Hookblock	0.25	0.25	0.25	0.25	0.25	0.15