



EFFER 685



The 685 crane is the ultimate evolution of the medium – large truck cranes mountable on 26 ton trucks. A careful design optimisation of all components makes it possible to get excellent lifting performances, together with an extremely low weight. The introduction of the PROGRESS electronic control system has also made it possible to reach these results.

La gru 685 rappresenta la massima evoluzione delle gru medio/grandi per autocarri anche da 26 ton. Una progettazione attenta all'ottimizzazione di tutti i componenti ha permesso di ottenere eccellenti prestazioni di sollevamento, unitamente ad un peso estremamente basso. I risultati ottenuti sono frutto anche dell'introduzione del sistema di controllo elettronico PROGRESS.

Kran 685 stellt die maximale Evolution im Segment der mittel-großen Ladekrane für Fahrzeuge bis 26 T zulässiges Gesamtgewicht dar. Eine sorgfältige Projektierung aller Komponenten hat es ermöglicht, ausgezeichnete Hubwerte zu erreichen, kombiniert mit einem sehr geringen Eigengewicht. Durch die Anwendung der PROGRESS Steuerung konnten diese Ergebnisse weiter optimiert werden.

La grue 685 est l'évolution technique ultime parmi les grues de grandes et moyennes dimensions équipant les camions jusqu'à 26T. L'optimisation et la conception minutieuse de tous les composants a permis d'obtenir des excellentes performances de levage et un poids extrêmement bas. Les résultats obtenus sont également le fruit de l'introduction du système de contrôle électronique PROGRESS.

La grúa 685 representa la máxima evolución de las grúas de la gama medio-pesada para camiones de hasta 26 t. Una proyección cuidadosa de todos los componentes ha permitido obtener excelentes prestaciones de elevación junto con un peso extremadamente bajo. Los resultados obtenidos son también fruto de la introducción del sistema de control electrónico PROGRESS.

kg	m
3000	17.13
21.3	
3625	14.76
19.0	23.7

kg	m
19320	2.92
13030	4.53
9075	6.44
6875	8.39
5490	10.40
4550	12.50

Technical diagram of a crane boom showing load capacity curves for different boom lengths and angles. The vertical axis represents height in meters (m) from 0 to 20. The horizontal axis represents boom length in meters (m) from 0 to 10. Curves are shown for boom lengths of 19000, 19800, 2040, and 2200 meters. The diagram includes a table of load capacities in kg and m for various boom lengths and angles. The angle is 80° for the main curves and +10° for the lower curves. The load capacity is given in kg and m for different boom lengths and angles.

kg	m	(H)m
2410	19.62	23.7
2900	17.18	21.4
2040	22.05	25.9

kg	m
19000	2.92
8580	6.65
5130	10.61
3570	14.91
12300	4.75
6480	8.60
4220	12.71

(H)m

kg

kg m	2000 21.98	1720 24.41
(H)m	25.9	28.2
	2380 19.54	
	23.6	

19600

+10°

18800 2.92	8430 6.66	4960 10.62	3390 14.91	
kg m	12180 4.75	6310 8.60	4040 12.71	2930 17.13

Technical diagram showing the height (H) in meters (m) versus the horizontal distance in meters (m) for various boom configurations. The diagram includes a grid with height from 0 to 24m and distance from 0 to 14m. Curves represent different boom configurations. Key data points are highlighted: 80° angle, 19000 kg weight, and +10° angle. A table in the top right corner provides specific values for 1750 kg and 1500 kg booms. A table at the bottom provides values for various boom lengths and weights.

kg	1750	1500
m	23.09	25.66
(H)m	27.3	29.8

18380	8440	4900	3230	2350	
2.92	6.40	10.03	14.02	18.36	
kg	11940	6310	3920	2720	2070
m	4.72	8.17	11.98	16.15	20.62

Graph showing the relationship between height (H) in meters and weight (kg) for a 10-degree mast angle. The graph plots curves for various weights (1730kg to 1880kg) against height (0 to 26m). A table on the right provides specific data points for each weight.

kg	1410
m	25.55
(H)m	29.8
1730	23.00
2210	18.47
2580	16.26
3080	14.13
3770	12.09
6120	8.28
8200	6.51
17330	2.92

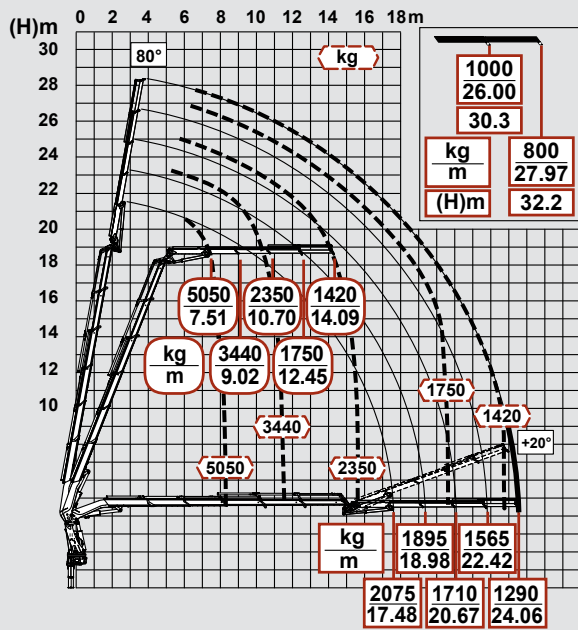
Technical drawing of a crane boom with a grid showing height (H) in meters and distance in meters. The drawing includes a crane boom structure, a grid, and various data points for weight (kg) and height (m) at different positions. A table in the top right corner provides specific data for 1000 kg, 800 kg, and 23.91 m.

(H)m	kg	(H)m
1000	23.94	800
28.2		25.91
		30.2

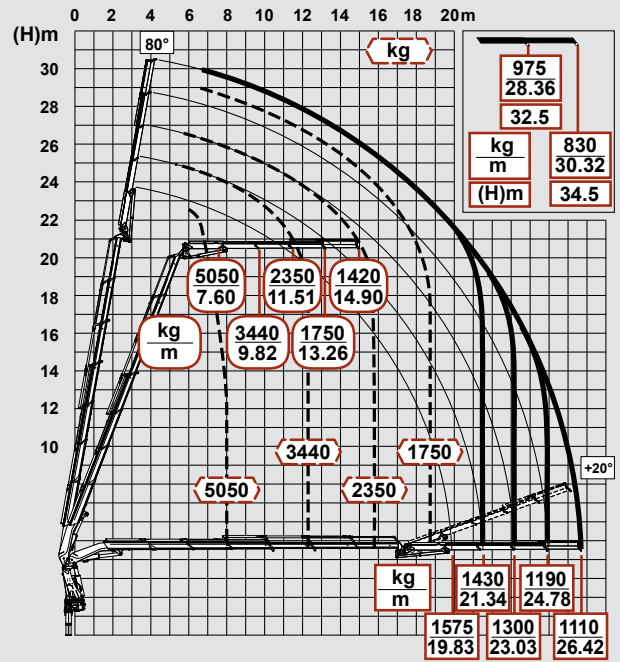
Other data points from the drawing:

- 80°
- 5330, 6.80, kg, m
- 2350, 10.00, 1420, 13.39
- 3440, 8.31, 1750, 11.75
- 3440, 2350, 1750
- 5330, 3440, 2350, 1750
- kg, m, 2390, 16.93, 1580, 20.36
- 2665, 15.42, 2130, 18.61, 1290, 22.00

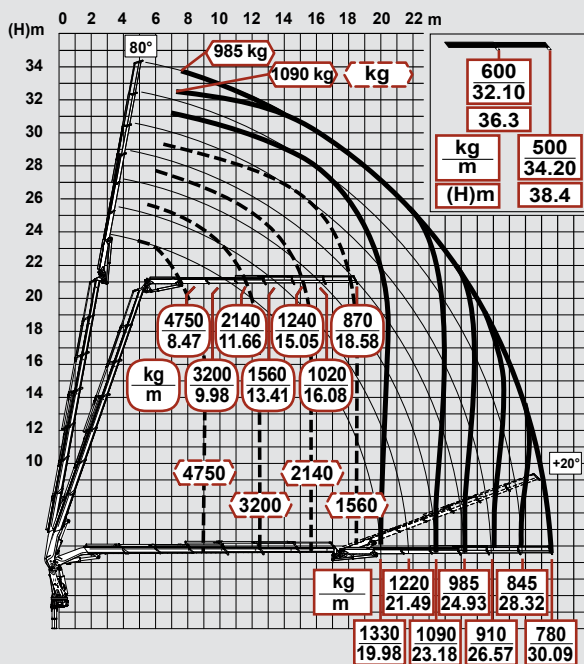
685 - 5S + JIB 4S



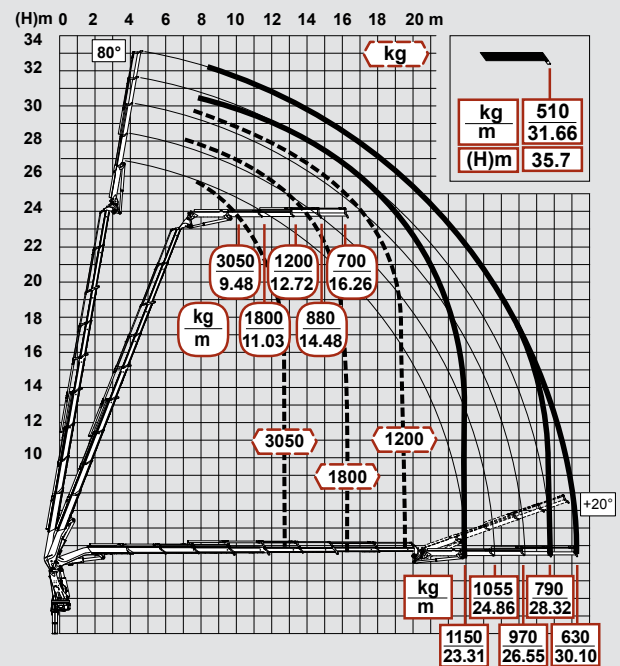
685 - 6S + JIB 4S Heavy Duty



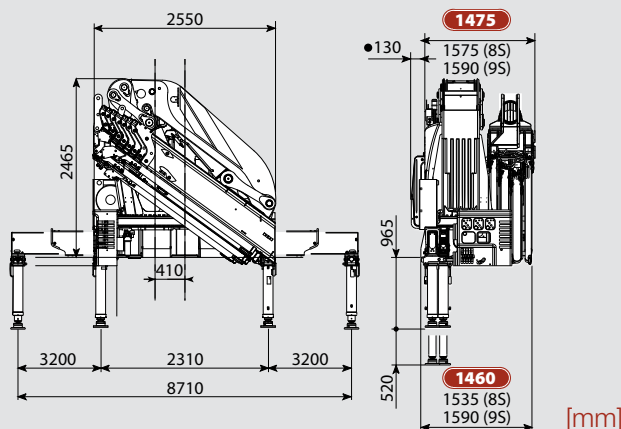
685 - 6S + JIB 6S Heavy Duty



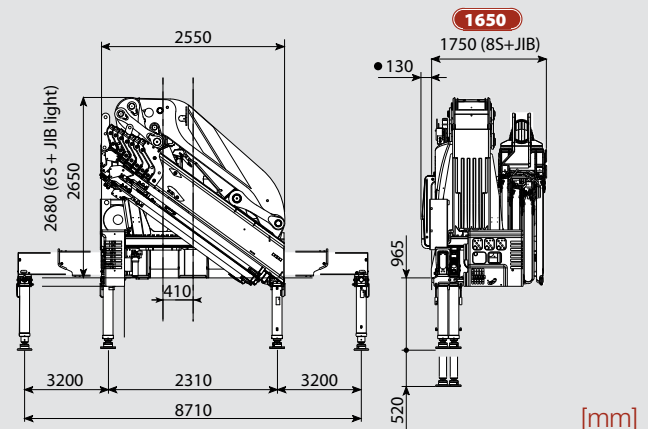
685 - 8S + JIB 4S



685 - 3S/4S/5S/6S/8S/9S

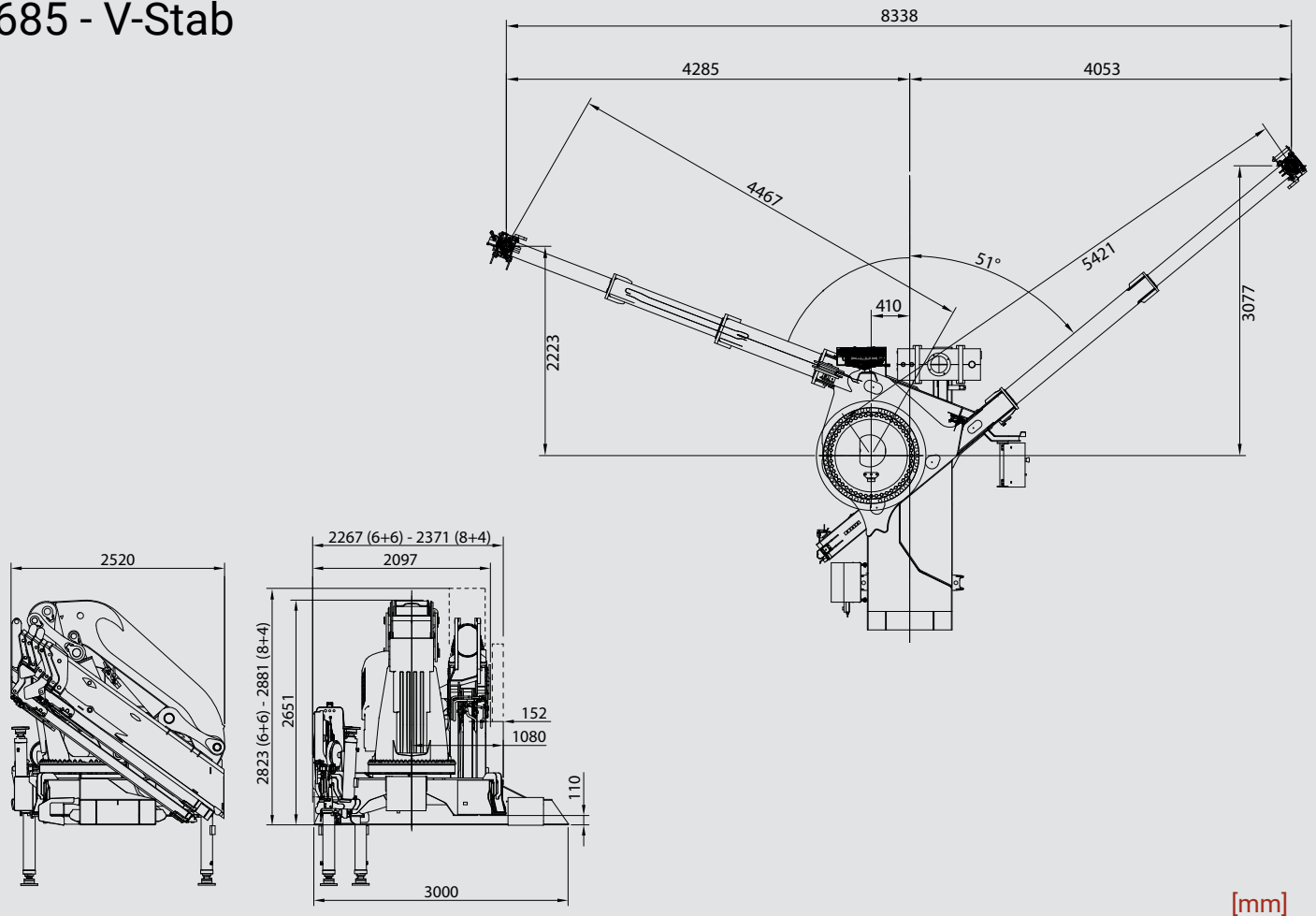


685 - 4S/5S/6S/8S + JIB



● Fitted tank size (optional, it fits within slewing dimensions) - Ingombro serbatoio installato (opzionale, rientra nell'ingombro di rotazione) - Abmessungen installierten Behälters (auf Wunsch, in dem Drehbereich enthalten) - Dimensions reservoir monté (optionnel, il est inclu dans l'encombrement de rotation) - Medidas exteriores máximas referidas al tanque instalado (opcional, se queda dentro del espacio de rotación).

685 - V-Stab



[mm]

DESCRIPTION	UNIT OF MEASURE	3S	4S	5S	6S	8S	9S
Max. hydraulic outreach Massimo sbraccio idraulico orizzontale Max. hydraulische Reichweite waagerecht Portée hydraulique horizontale maxi Máximo alcance hidráulico horizontal	m	10,55	12,74	15,15	17,37	20,86	23,24
Max. lifting moment (+20°) Momento massimo di sollevamento (+20°) Max. Hubmoment (+20°) Moment de levage maxi. (+20°) Momento máximo de elevación (+20°)	kgm	60210	59020	58370	57870	56360	56140
	kNm	590,7	579	572,6	567,7	552,9	550,7
Slewing arc Angolo di rotazione Schwenkbereich Angle de rotation Ángulo de giro	(°)	endless / continua / endlos / sans fin / sin fin					
Slewing Capacity - Max slope Capacità di rotazione - Massima pendenza Rotationskapazität - Maximale Neigung Capacité de rotation - Pente Maxi Capacidad de rotación - Máxima inclinación	%	8,7					
Recommended oil delivery Portata d'olio consigliata Empfohlene Ölfördermenge Débit d'huile recommandé Caudal de aceite aconsejado	l/min	100					
Oil tank capacity Capacità serbatoio olio Öltankkapazität Capacité du réservoir d'huile Capacidad tanque de aceite	l	260					
Weight of the standard crane (± 2%) Peso gru standard (± 2%) Gewicht des Standardkranes (± 2%) Poids propre de la grue standard (± 2%) Peso grúa estándar (± 2%)	kg	5635	5940	6215	6500	6980	7195

EFFER 685

STANDARD



OPTIONAL



CRANE DESIGNED ACCORDING TO STANDARDS UNI EN 12999 HC1 S1 HD5

The configurations and figures contained in the brochure are illustrative. For information on the complete offer and for more technical details, ask your Effer dealer or consult the website www.effer.com. The above data are subject to change. Lifting capacity is based on the maximum lifting power of the crane. The stability of the truck may require a reduction of lifting capacity.

GRU PROGETTATA SECONDO NORME UNI EN 12999 HC1 S1 HD5

Le configurazioni e le immagini riportati nel depliant sono esemplificativi. Per conoscere l'offerta completa e per maggiori dettagli tecnici, rivolgersi al concessionario EFFER di zona e consultare il sito www.effer.com. I dati indicati possono subire modifiche. Capacità di sollevamento secondo potenza massima della gru. La stabilità dell'autocarro può richiedere il declassamento.

KRAN ENTWICKELT GEMÄSS UNI EN 12999 S1 HC1 S1 HD5

Die in der Broschüre enthaltenen Ausstattungen und Bilder dienen als Beispiel. Um das komplette Angebot zu kennen und für weitere technischen Informationen, wenden Sie sich an Ihren Händler EFFER und besuchen Sie unsere Homepage www.effer.com. Die geschriebenen Angaben können Änderungen vorsehen. Tragkraft gemäss maximale Kranleistung. Die Stabilität des Lastwagens kann die Deklassierung erfordern.

GRUE PROJETEE SELON LES NORMES UNI EN 12999 HC1 S1 HD5

Les configurations et les images contenues dans les dépliant sont exemplificatives. Pour connaître l'offre complète et les détails techniques, veuillez contacter votre revendeur EFFER et consulter le site www.effer.com. Les données indiquées peuvent subir des modifications. Capacité de levage selon la puissance maximum de la grue. La stabilité du véhicule peut nécessiter le déclassement.

GRÚA DISEÑADA SEGÚN LAS NORMAS UNI EN 12999 HC1 S1 HD5

Las configuraciones y las imágenes incluidas en el folleto se proporcionan a modo de ejemplo. Para conocer la oferta completa y para más detalles técnicos, consultar con el concesionario EFFER local y visitar el sitio web www.effer.com. Los datos indicados pueden sufrir modificaciones. Capacidad de elevación según la potencia máxima de la grúa. La estabilidad del camión puede requerir el desclasamiento.

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