

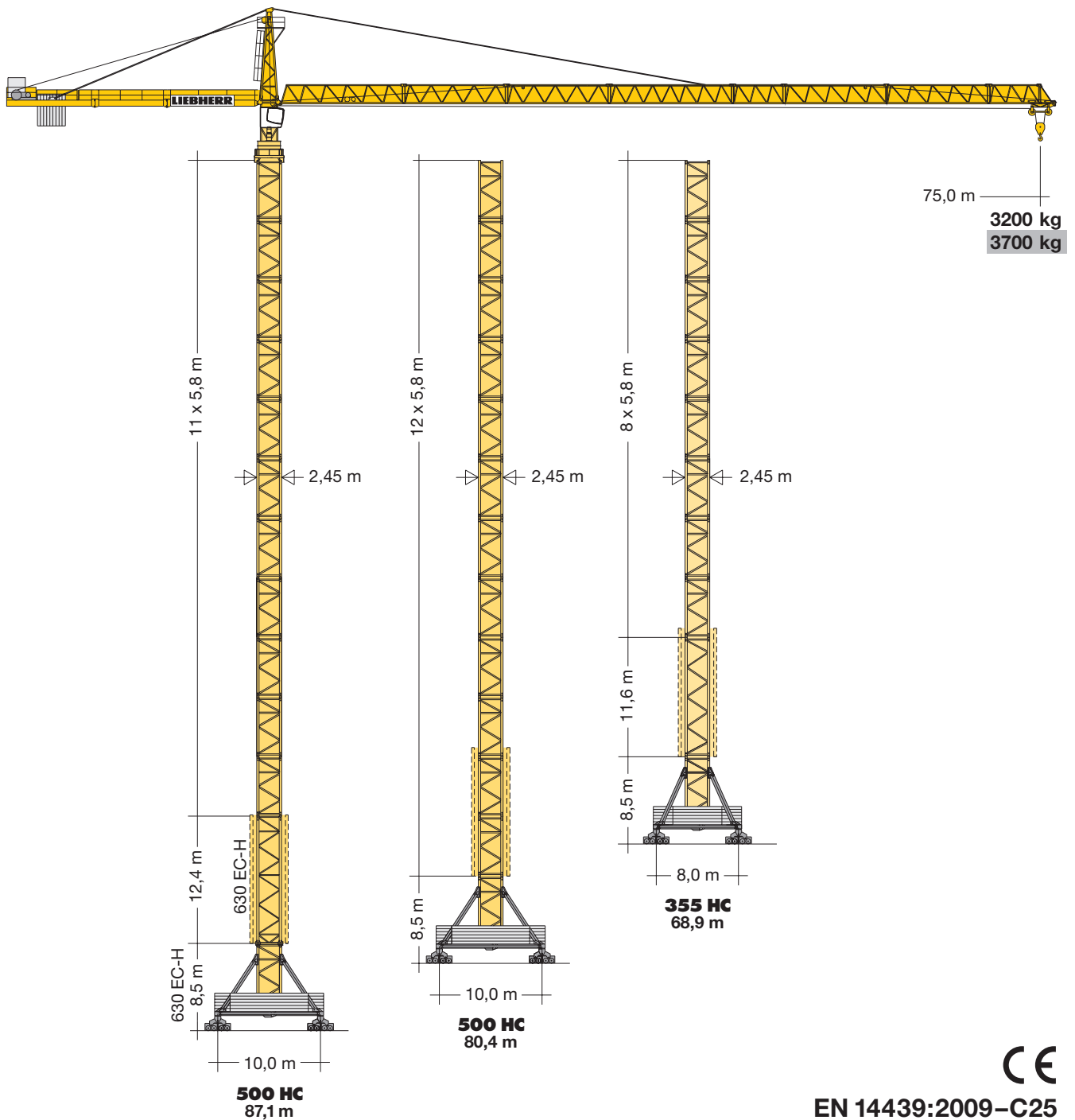
Turmdrehkran

Tower Crane / Grue à tour / Gru a torre / Grúa torre
Guindaste de torre / Башенный поворотный кран

420 EC-H 16 Litronic®

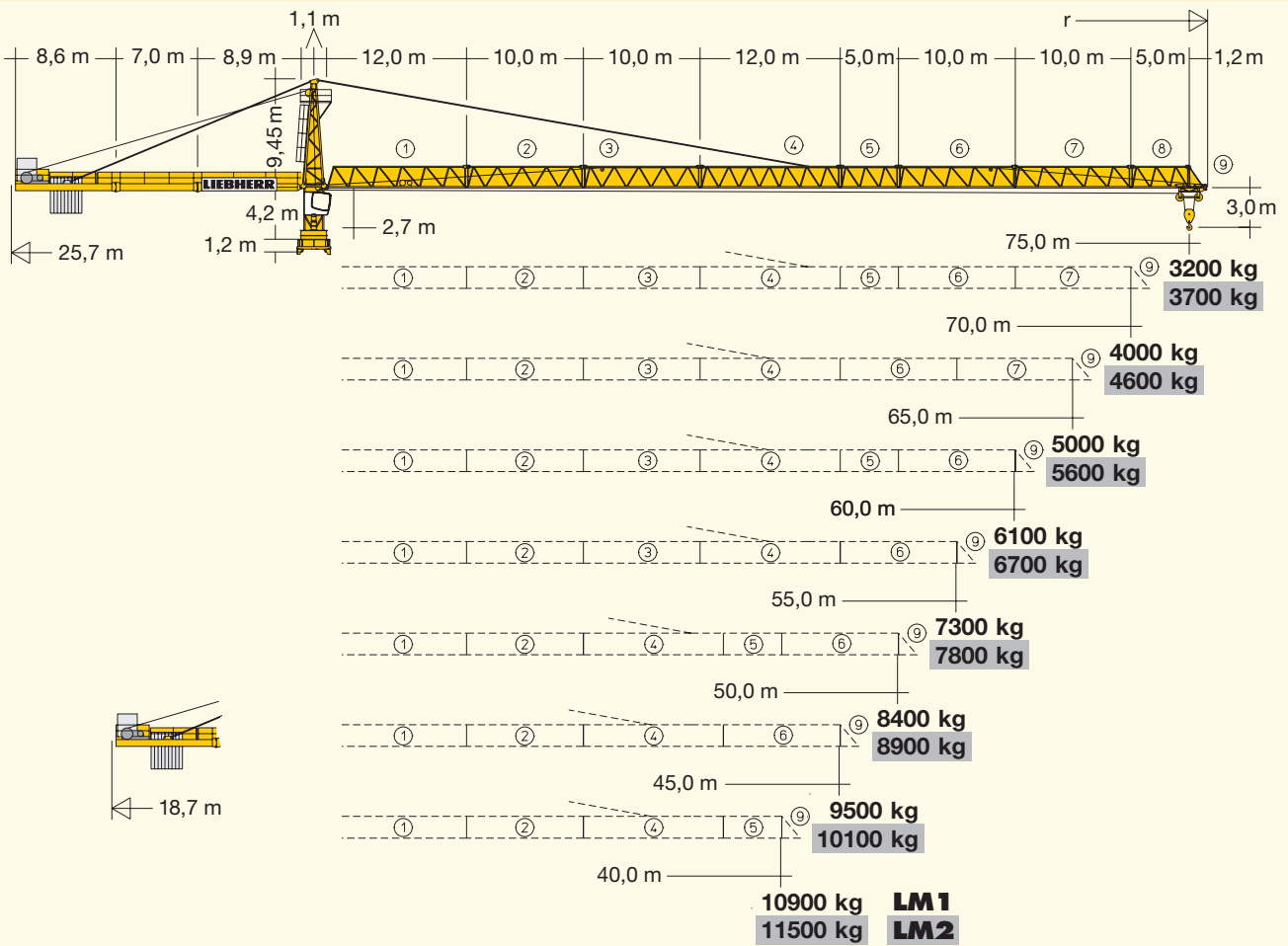
▶ 420 EC-H 16 Litronic®

420 EC-H 20 Litronic®



EN 14439:2009-C25

LIEBHERR



Hubhöhe Hoisting height / Hauteur sous crochet / Altezza di sollevamento
 Altura bajo gancho / Altura de montagem / Высота подъема

C 25	355 HC		500 HC		
	m	m	m	m	m
13	-	-	78,2*	-	-
12	-	-	72,4	80,4*	-
11	-	-	66,6	74,6	84,7*
10	72,4*	-	60,8	68,8	87,1*
9	66,6	-	55,0	63,0	75,5
8	60,8	68,9*	49,2	57,2	69,7
7	55,0	63,1	43,4	51,4	63,9
6	49,2	57,3	37,6	45,6	58,1
5	43,4	51,5	31,8	39,8	52,3
4	37,6	45,7	26,0	34,0	46,5
3	31,8	39,9	20,2	28,2	40,7
2	26,0	34,1	14,4	22,4	34,9
1	20,2	28,3	8,6	16,6	29,1
0	14,4	22,5	2,8	10,9	23,3

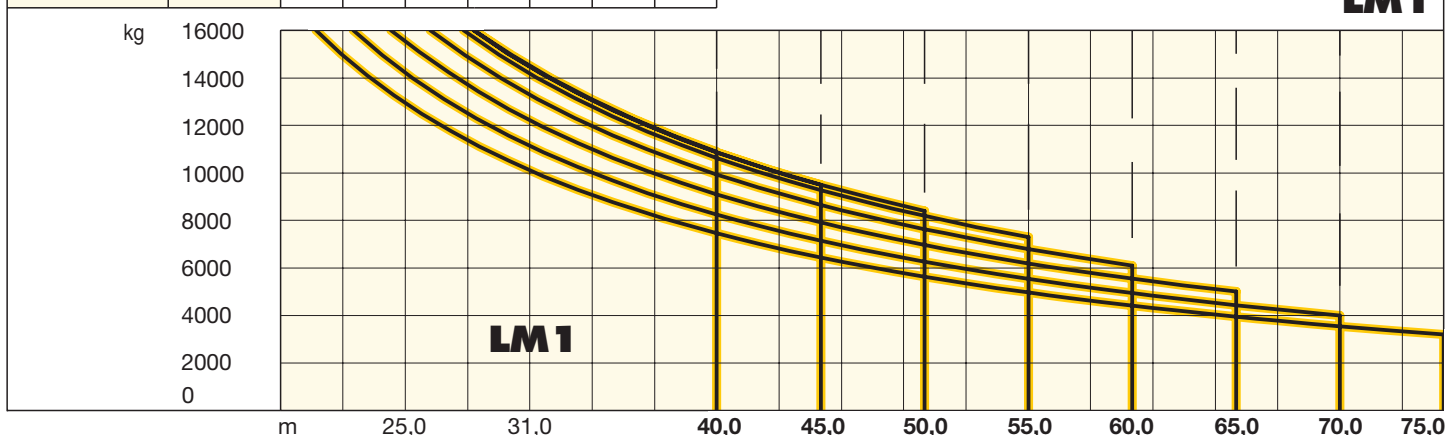
* Weitere Hubhöhen, Auslegerlängen sowie Klettern im Gebäude auf Anfrage. / Further hoist heights and jib lengths as well as climbing inside the building on request. / Autres hauteurs sous crochet et longueurs de flèche ainsi que hissage dans le bâtiment sur demande. / Ulteriori altezze gancho, lunghezze bracci così come telescopaggio all'interno dell'edificio: su richiesta. / Para alturas bajo gancho superiores, otros alcances y trepado en el interior del edificio, consultar. / Outras alturas de elevação, comprimentos de lança e subida no edifício: sob consulta. / Другие высоты подъема, длины стрелы и самоподъем в здании – по запросу.

Ausladung und Tragfähigkeit

Radius and capacity / Portée et charge / Sbraccio e portata
Alcances y cargas / Alcance e capacidade de carga / Вылет и грузоподъемность

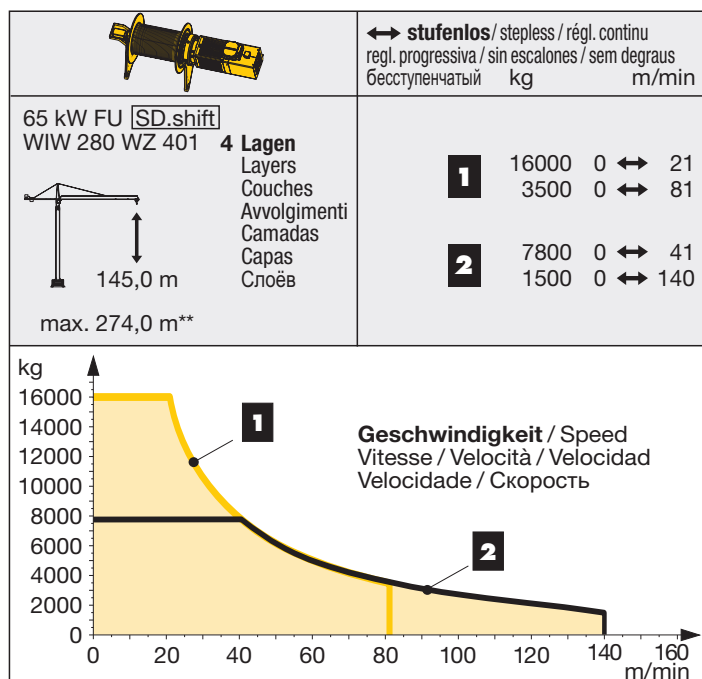
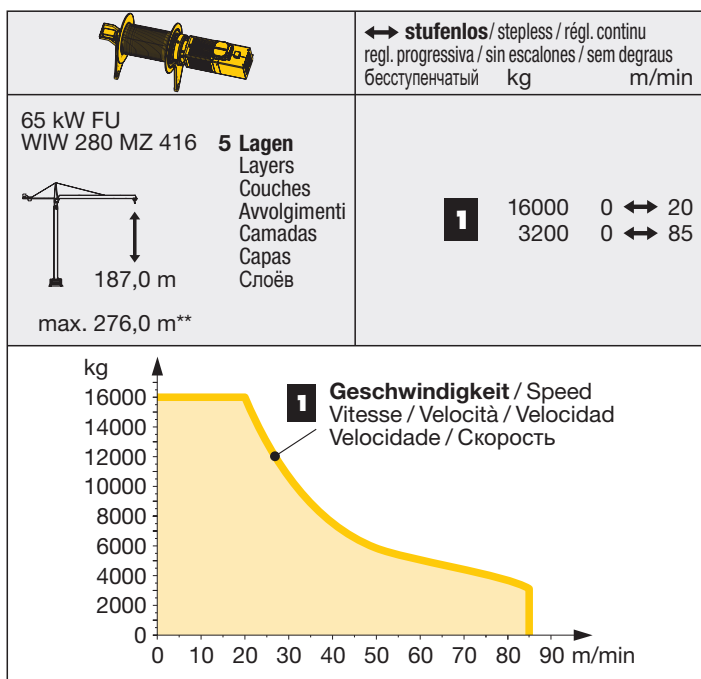
		420 EC-H 16														
		m/kg														
m	r	m/kg	22,0	25,0	28,0	31,0	34,0	37,0	40,0	45,0	50,0	55,0	60,0	65,0	70,0	75,0
75,0	(r=76,7)	2,7-20,7 16000	14950	12940	11370	10110	9070	8200	7460	6440	5630	4970	4410	3950	3550	3200
70,0	(r=71,7)	2,7-22,5 16000	16000	14220	12510	11130	10000	9050	8250	7150	6260	5540	4940	4440	4000	
65,0	(r=66,7)	2,7-24,3 16000	16000	15530	13690	12210	10990	9970	9110	7920	6970	6190	5550	5000		
60,0	(r=61,7)	2,7-26,2 16000	16000	16000	14880	13280	11970	10870	9940	8660	7630	6800	6100			
55,0	(r=56,7)	2,7-27,8 16000	16000	16000	15870	14180	12790	11620	10630	9270	8190	7300				
50,0	(r=51,7)	2,7-28,3 16000	16000	16000	16000	14460	13050	11870	10870	9500	8400					
45,0	(r=46,7)	2,7-28,3 16000	16000	16000	16000	14470	13060	11880	10870	9500						
40,0	(r=41,7)	2,7-28,3 16000	16000	16000	16000	14500	13090	11910	10900							

LM 1



Antriebe Litronic®

Driving units / Mécanismes d entraînement / Meccanismi / Mecanismos / Mecanismos / Приводы



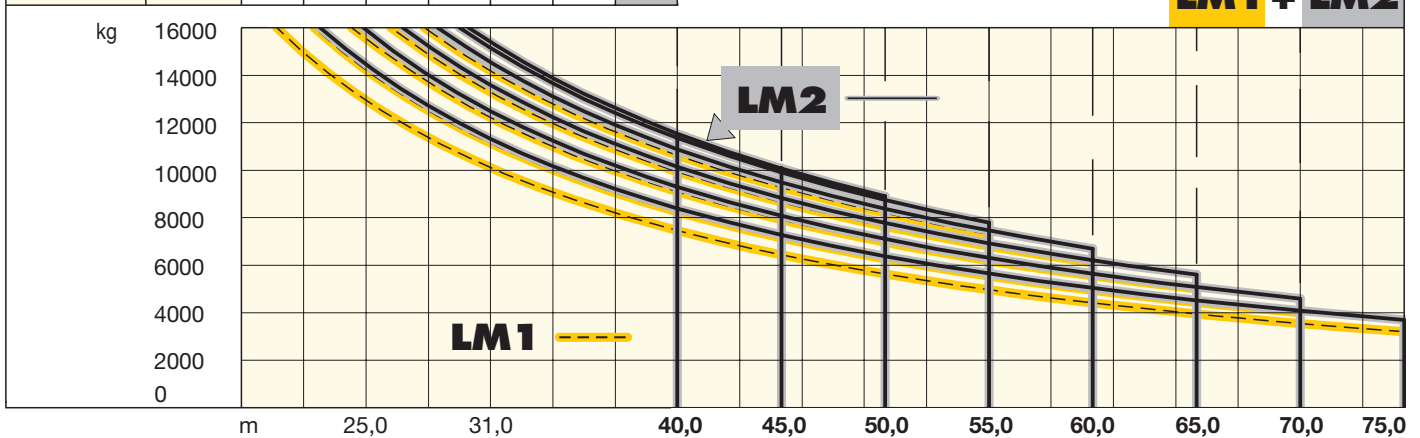
** Weitere Hublastdaten: siehe Betriebsanleitung. / Further hoist load data: see instruction manual. / Autres données de la charge de levage: voir manuel d'instruction. / Altri dati sui carichi sollevati: consultare il manuale d'istruzione. / Alturas bajo grancho superiores según manual. / Outras tabelas de carga: consultar manual de instruções. / Другие данные по весу поднимаемых грузов: см. инструкцию по эксплуатации.

Ausladung und Tragfähigkeit

Radius and capacity / Portée et charge / Sbraccio e portata
Alcances y cargas / Alcance e capacidade de carga / Вылет и грузоподъемность


		420 EC-H 16 Litronic®															
m	r	m/kg	m/kg														
			22,0	25,0	28,0	31,0	34,0	37,0	40,0	45,0	50,0	55,0	60,0	65,0	70,0	75,0	
75,0	(r=76,7)	2,7-22,8 16000	16000	14450	12720	11320	10170	9210	8390	7280	6380	5650	5040	4520	4080	3700	
70,0	(r=71,7)	2,7-24,9 16000	16000	15900	14020	12490	11240	10190	9300	8080	7110	6310	5640	5080	4600		
65,0	(r=66,7)	2,7-26,8 16000	16000	16000	15220	13580	12230	11100	10140	8830	7780	6920	6210	5600			
60,0	(r=61,7)	2,7-28,4 16000	16000	16000	16000	14540	13110	11910	10890	9490	8370	7460	6700				
55,0	(r=56,7)	2,7-29,5 16000	16000	16000	16000	15150	13660	12410	11350	9910	8750	7800					
50,0	(r=51,7)	2,7-29,9 16000	16000	16000	16000	15390	13880	12620	11550	10080	8900						
45,0	(r=46,7)	2,7-30,0 16000	16000	16000	16000	15430	13920	12650	11570	10100							
40,0	(r=41,7)	2,7-29,8 16000	16000	16000	16000	15330	13830	12570	11500								

LM1 + LM2

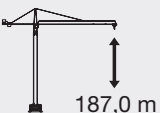


Antriebe Litronic®

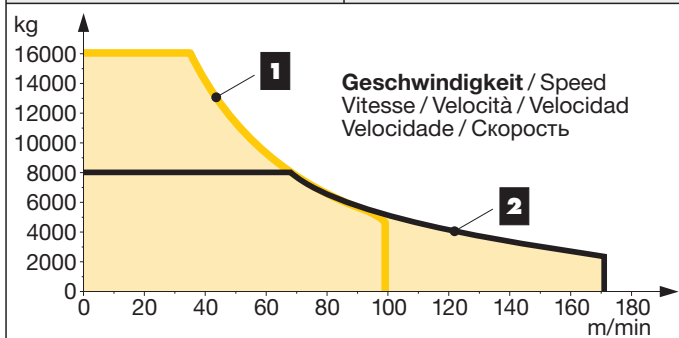
Driving units / Mécanismes d entraînement / Meccanismi / Mecanismos / Mecanismos / Приводы


 ↔ **stufenlos** / stepless / régl. continu
regl. progressiva / sin escalones / sem degraus
бесступенчатый kg m/min

110 kW FU **[SD.shift]**
WIW 300 WZ 402 **5 Lagen**
Layers
Couches
Avvolgimenti
Camadas
Capas
Слоёв

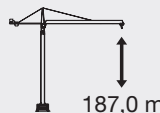
 187,0 m
max. 276,0 m**

1	16000	0 ↔ 36
	4700	0 ↔ 99
2	8000	0 ↔ 67
	2300	0 ↔ 171

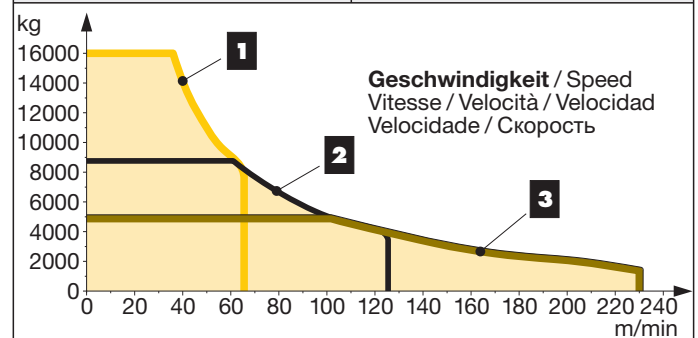


 ↔ **stufenlos** / stepless / régl. continu
regl. progressiva / sin escalones / sem degraus
бесступенчатый kg m/min

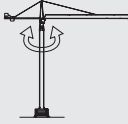
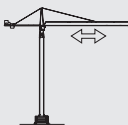

110 kW FU
WIW 300 VZ 434 **5 Lagen**
Layers
Couches
Avvolgimenti
Camadas
Capas
Слоёв


 187,0 m
max. 276,0 m**

1	16000	0 ↔ 36
	7500	0 ↔ 65
2	8800	0 ↔ 61
	3500	0 ↔ 125
3	4900	0 ↔ 102
	1400	0 ↔ 230



LM 2 Abweichende Geschwindigkeiten und Betriebsbedingungen. / Variant speeds and service conditions. / Vitesses et conditions de fonctionnement différentes. / Differenti velocità e condizioni di funzionamento. / Otras velocidades y características de funcionamiento. / Outras velocidades e características de funcionamento. / Нестандартные скорости и условия эксплуатации.

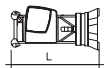

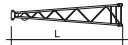

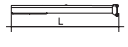





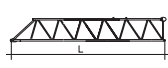

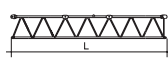











	0 ↔ 0,7 U/min sl./min tr./min	2 x 7,5 kW FU
	0 ↔ 95,0 m/min	10,5 kW FU
	25,0 m/min	4 x 7,5 kW 500 HC (550 HC) 2 x 5,5 kW 355 HC (390 HC)









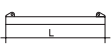









 kVA	65 kW FU	110 kW FU
	88,0	124,0

Litronic® kVA reduzierbar bei zu geringer Netz-Anschlussleistung, siehe BAL. / kVA can be reduced in case of too little power of the mains, see instruction manual. / kVA peut être réduit en cas de trop faible puissance du réseau, voir manuel d'instruction. / kVA riducibili in caso di potenza di rete ridotta (si veda manuale uso e manutenzione) / kVA variable para potencia de red demasiado pequeña, ver Manual de instrucciones. / kVA reduzível no caso de capacidade da rede elétrica muito baixa, ver manual de instruções. / Количество kVA может быть сокращено до минимальной общей потребляемой мощности, см. инструкцию по эксплуатации.

Kolli-Liste Packing List / Liste de colisage / Lista dei colli
Lista de contenido / Lista de embalagem / Упаковочный лист

Montagegewichte: siehe Betriebsanleitung. / Erection weights: see instruction manual. / Poids de montage: voir manuel de service. / Pesi di montaggio: vedere manuale d'uso. / Peso para el montaje: según manual. / Pesos de montagem: veja-se as instruções p. uso. / Масса монтируемых частей: см. инструкцию по эксплуатации.

Kranoberteil		Upper part of crane / Partie supérieure de grue / Parte superiore della gru Parte superior grúa / Parte superior do guindaste / Верхняя часть крана	L (m)	B (m)	H (m)	kg*			
Pos. Item Rep. Voce Pos. Ref. Pos.	Anz. Qty. Qta. Cant. Cant. Кол-во	Drehbühne kpl. / Slewing platform cpl. / Ensemble mât cabine cpl. / Piattaforma girevole compl. / Conjunto plataforma de giro / Plataforma giratória compl. / Поворотная платформа в сб.			6,14	2,87	3,18	15000	
2	1	Turmspitze / Tower head section / Porte-flèche Testa porta-braccio / Cabeza de torre / Cabeça de arapio de lança / Оголовок башни			9,40	1,76	1,94	3450	
3	1	Gegenausleger-Kopfstück / Counter-jib head Pointe de contre-flèche / Testa di controbraccio Tramo punta de contrapluma / Cabeça de contra-lança / Концевая секция консоли противовеса			8,73	2,38	1,05	3740	
4	1	Gegenausleger-Anlenkstück / Counter-jib heel section / Pied de contre-flèche / Settore articolato di controbraccio / Tramo primero-contrapluma Base articulada da contra-lança / Корневая секция консоли противовеса			9,08	1,93	1,05	3210	
5	1	Gegenausleger-Zwischenstück / Intermediate counter-jib section / Élément interm. de contre-flèche Spezzone di controbraccio / Tramo intermedio de contrapluma / Peça suplementar da contra-lança Промежуточная секция консоли противовеса			7,20	1,87	1,05	2720	
6	1	Ausleger-Anlenkstück / Jib heel section / Pied de flèche / Sezione articolata braccio / Pluma tramo primero / Base articulada de lança / Корневая секция стрелы			12,26	1,93	2,05	① 3700	
7	1	Ausleger-Zwischenstück / Intermediate jib section Élément intermédiaire de flèche / Sezione intermedia braccio / Tramo intermedio pluma / Peça suplementar da lança / Промежуточная секция стрелы			10,28 10,30 12,33 5,38 10,34 10,27 5,21	1,76 1,76 1,76 1,76 1,76 1,76 1,76	1,99 1,98 1,99 1,97 1,96 1,94 1,94	Ⓞ 2075 Ⓞ 2040 Ⓞ 2510 Ⓞ 985 Ⓞ 1500 Ⓞ 1000 Ⓞ 485	
8	1	Ausleger-Kopfstück / Jib head section / Pointe de flèche / Punta braccio / Tramo punta de pluma Cabeça de lança / Концевая секция стрелы			1,83	1,93	1,91	Ⓞ 270	
9	1	Laufkatze und Lasthaken / Trolley and hook Chariot de distribution et crochet / Carrello con gancio / Carrito y gancho / Carro de ponte e gancho / Грузовая тележка и грузовой крюк			2,24	2,07	1,79	1540	
10	1	Hubwerkseinheit (65 kW) / Hoist gear unit / Treuil de levage / Gruppo meccanismo sollevamento Mecanismo de elevación / Grupo de mecanismo elevatório / Блок грузовой лебедки			280 VZ	2,30	2,70	1,65	5850
Turm		Tower / Mât / Torre Torre / Torre / Башня							
11	10 13	Turmstück / Tower section Élément de mât / Elemento di torre Tramo torre / Torre / Башенная секция			355 HC 500 HC	6,28 6,28	2,45 2,45	2,45 2,45	5050 6480
12	1	Grundturmstück / Base tower section / Mât de base / Elemento di torre base Tramo base / Peça de base de torre / Секция основания			355 HC	12,08	2,45	2,45	10050

Pos. Item Rep. Voce Pos. Ref. Поз.	Anz. Qty. Qte. Qta. Cant. Cant. Кол-во				L (m)	B (m)	H (m)	kg*	
		Klettereinrichtung Climbing equipment / Equipement de télescopage / Attrezzatura per allungamento della gru Equipo de trepado / Acesórios p. subida no edificio / Обойма наращивания							
13	1	Führungsstück kpl. / Guide section cpl. / Cage télescopique cpl. / Gabbia de sopraelevazione compl. Torre de montaje completa / Peça de guia compl. Направляющая секция в сб.			355 HC 500 HC	12,39	2,75	1,58	8950
14	1	Hydraulikanlage, Stütz- und Klettertraverse / Hydraulic unit, supporting and climbing cross members / Système hydraulique avec traverses d'appui et de télescopage / Sistema idraulico, traversa di appoggio e allungamento gru / Sistema hidráulico con traviesa de apoyo y trepado / Instalação hidráulica, travessa de apoio e subida / Гидроагрегат, стойка-упор и траверса обоймы наращивания			355 HC 500 HC	2,10	1,10	1,00	1710
		Unterwagen Undercarriage / Châssis / Carro Carro con mástil / Carro de guindaste / Опорная рама							
15	4	Ausgleichsschwinge mit Schwingenlager / Pivot for wheel box / Chape pour bogie / Bilanciere di equilibratura con cuscinetto bilanciere / Balancin / Balancim com suporte / Балансир с шарнирной опорой			355 HC 500 HC	1,60	0,72	1,48	1390 1470
16	4	Fahrschemel mit Antrieb / Rail bogie with drive Bogie moteur / Telaio con gruppo propulsore Caja rodillo motriz / Quadro sem grupo de propulsão Подрамник с приводом			355 HC 500 HC	1,40 1,45	0,75 0,82	0,65 0,72	920 1690
17	4	Fahrschemel ohne Antrieb / Rail bogie without drive Bogie fou / Telaio senza gruppo propulsore / Caja rodillo conducido / Quadro com grupo de propulsão Подрамник без привода			355 HC 500 HC	1,10 1,30	0,60 0,40	0,65 0,72	880 1340
18	1	Tragholm lang / Long support arm / Longeron long Longherone lungo / Brazo soporte largo / Travessa comprida / Несущая балка, длинная			355 HC 500 HC	11,82 7,32	0,92 0,92	0,93 0,93	3515 2330
19	2	Tragholm kurz / Short support arm / Longeron court Longherone corto / Brazo soporte corto / Travessa curta / Несущая балка, короткая			355 HC 500 HC	5,74 7,14	0,80 0,80	0,90 0,90	1600 2135
20	4	Randträger / Border support / Traverse Supporti base / Traviesa / Apoio de bordo Стяжная балка			355 HC 500 HC	7,30 9,30	0,14 0,14	0,14 0,14	340 510
21	4	Stützholm / Support strut / Hauban de châssis Correnti di appoggio / Tirante vertical / Travessa de apoio / Опорный подкос			355 HC 500 HC	6,06 6,06	0,26 0,26	0,34 0,34	862 1140
22	1	Unterwagen-Turmstück / Undercarriage tower section / Mât de châssis / Elemento di torre del carro Tramo de carro / Peça de torre do chassis Опорная башенная секция			355 HC 500 HC	6,61 6,61	2,44 2,44	2,44 2,44	7475 7930
23	1	Kiste mit Kleinteilen, Seilen / Crate with small parts, ropes Caisse contenant des accessoires, câbles / Cassa con minuteria, funi Caja con piezas pequeñas, cables / Caixa com peças pequenas, cabos Ящик с мелкими деталями, с канатами			355 HC 500 HC	2,00	1,00	1,00	1000

* Einzelgewichte. / Single weights. / Poids individuels. / Singoli pesi. / Pesos unitarios. / Pesos de peças componentes. / Индивидуальный вес.

Konstruktionsänderungen vorbehalten! / Subject to alterations! / Sous réserves de modifications! / Reservato il diritto di modifiche strutturali! / Sujeto a modificaciones! / Salvo modificação da construação! / Права на внесение конструкторских изменений сохраняются!

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